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THE YEARBOOK OF THE
UNIVERSITIES OF
THE COMMONWEALTH

1948

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THE YEARBOOK OF THE
UNIVERSITIES OF
THE COMMONWEALTH

1948

PUBLISHED FOR
THE ASSOCIATION OF UNIVERSITIES
OF THE BRITISH COMMONWEALTH

BY

G. BELL AND SONS, LTD
LONDON

1948

PREFACE

THE *Yearbook* was first published in 1914. Before its advent the official University Calendars were the only authentic sources of information regarding the personnel, organization, regulations and recent activities of Universities. When Universities were few and University men took but little interest in affairs of any except their own, the Calendars sufficed ; but there are now seventy-four Universities in the British Commonwealth and each takes a growing interest in the others. In the *Yearbook* such information has been collected as may be of interest to members of other Universities and Colleges, to Government Departments, clubs, school-masters and the public generally.

For a variety of reasons the Executive Council decided that publication of the *Yearbook* should be temporarily suspended after the issue in 1941 of the Supplement to the *Yearbook* of 1940. With the resumption of publication in 1947 of the *Yearbook*, after a gap of seven years, some of the Appendices which were included in the pre-war editions were omitted owing to restrictions in paper supplies. In this edition, however, it has been possible to reinstate an appendix dealing with post-graduate scholarships and awards principally tenable in the Universities of the United Kingdom, and to insert for the first time an appendix on the work of the Inter-University Council for Higher Education in the Colonies with which a number of University Colleges in Colonial territories is affiliated.

The sections dealing with the Universities of Great Britain and Ireland, of Canada, of Australia, of South Africa, of India, and of Pakistan, are prefaced by introductory chapters treating briefly of their history, regulations and practice. The thanks of the Executive Council are due to those who have generously assisted in the revision of these chapters.

The information given under each University comprises :

(1) A directory of the officers and members of the staff of the University. This directory gives the degrees held by the teachers as well as the University by which they were granted, except where the degrees are those awarded by the University upon whose staff the teacher is serving. These degrees are indicated by being placed last. In cases where honorary degrees are too numerous to specify, the names of the Universities by which they were conferred are likewise omitted. With the exception of honours conferred by H.M. the King and by the French

Republic, titles other than degrees are omitted, unless they throw light upon the standing of their holders in the subjects which they profess.

(2) General Information.

(3) Reports of events of outstanding interest which occurred during the previous academic year.

For purposes of reference there are an Index of Names and a General Index.

The Executive Council of the Universities Bureau desire to acknowledge the assistance given by Universities as well as other Institutions and Government Departments in the revision of the *Yearbook*, but cannot accept responsibility for omissions or inaccuracies in the information supplied.

The Association of Universities of the British Commonwealth
5 Gordon Square, London, W.C.1
May 1948

Editor of the *Yearbook*—

J. F. FOSTER, M.A., LL.M.

Secretary of the Association

Assistant Editor—

Mrs. M. HORN, B.A.

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QUALIFICATIONS OTHER THAN UNIVERSITY DE- GREES REFERRED TO IN THE YEARBOOK BY LETTERS AFTER NAMES

N B. The letters used in the *Yearbook* are not in all cases those authorized by the Associations ; e.g. F.Inst.P is sometimes abbreviated to F.I.P.

A.F.C.	.	.	.	Air Force Cross.
A.F.M.	.	.	.	" " Medal.
C.B.E.	.	.	.	Commander Order of British Empire.
C.G.	.	.	.	Croix de Guerre
C.H.	.	.	.	Companion of Honour
Chev. Lég. d'H.	.	.	.	Chevalier de la Légion d'Honneur.
C.I.E.	.	.	.	Companion of the Order of the Indian Empire.
C.S.I.	.	.	.	Companion of the Order of the Star of India.
D.A.	.	.	.	Diploma in Anaesthetics.
D.C.H.	.	.	.	" " in Child Health.
D.F.C.	.	.	.	Distinguished Flying Cross.
D.F.H.	.	.	.	Diploma of Faraday House.
D.F.M.	.	.	.	Distinguished Flying Medal.
Dip. d'E.S.	.	.	.	Diplôme d'Etudes Supérieures.
Dip. Bd.	.	.	.	Diploma in Education.
D.I.C.	.	.	.	" " of Imperial College of Science and Technology.
D.I.H.	.	.	.	" " in Industrial Health.
D.L.O.	.	.	.	" " in Laryngology and Otology.
D.M.R.E.	.	.	.	" " in Medical Radiology and Electrolgy.
D.M.R.R.	.	.	.	" " in Medical Radiology and Radiotherapy.
D.O.M.S.	.	.	.	" " in Ophthalmic Medicine and Surgery.
D.P.D.	.	.	.	" " in Public Dentistry (St. Andrews).
D.P.H.	.	.	.	" " in Public Health.
D.P.M.	.	.	.	" " in Psychological Medicine.
D.R.	.	.	.	" " in Radiology.
D.S.C.	.	.	.	Distinguished Service Cross.
D.S.O.	.	.	.	" " Order.
D.T.H.	.	.	.	Diploma in Tropical Hygiene.
D.T.M.	.	.	.	" " Medicine.
D.U.P.	.	.	.	" " of the University of Paris.
D.V.M.	.	.	.	" " in Veterinary Medicine.
D.V.S.M.	.	.	.	" " in Veterinary State Medicine.
F.A.A.A.S.	.	.	.	Fellow of the American Association for the Advancement of Science.
F.A.A.O.S.	.	.	.	" " American Academy of Orthopaedic Surgeons.
F.A.C.D.	.	.	.	" " American College of Dentists.
F.A.C.P.	.	.	.	" " American College of Physicians.
F.A.C.S.	.	.	.	" " American College of Surgeons.
F.A.I.	.	.	.	" " Auctioneers' Institute.
F.A.I.A.	.	.	.	" " American Institute of Architects.
F.A.I.E.E.	.	.	.	" " " Electrical Engineers.
F.A.P.S.	.	.	.	" " American Physical Society.
F.B.A.	.	.	.	" " British Academy.
F.B.Ps.S.	.	.	.	" " British Psychological Society.
F.C.A.	.	.	.	" " Institute of Chartered Accountants.
F.C.I.C.	.	.	.	" " Canadian Institute of Chemistry.
F.C.I.S.	.	.	.	" " the Chartered Institute of Secretaries.
F.C.S.	.	.	.	" " Chemical Society.
F.D.S.	.	.	.	" " Dental Society.
F.E.I.S.	.	.	.	" " Educational Institute of Scotland.
F.F.I.A.	.	.	.	" " Federal Institute of Accountants.
F.F.A.	.	.	.	" " Faculty of Actuaries.
F.F.R.	.	.	.	" " Faculty of Radiologists.
F.G.S.	.	.	.	" " Geological Society.
F.G.S.A.	.	.	.	" " " " of America.

QUALIFICATIONS REFERRED TO BY LETTERS xi

F.I.A.	.	.	.	Fellow of Institute of Actuaries.
F.I.C.A.	.	.	.	" " Chartered Accountants.
F.I.C.D.	.	.	.	" " International College of Dentists.
F.I.F.	.	.	.	" " Institute of Fuels.
F.I.M.	.	.	.	" " Metallurgists.
F.I.P.	.	.	.	" " Physics.
F.I.S.E.	.	.	.	" " Institution of Structural Engineers.
F.L.A.	.	.	.	" " Library Association.
F.L.S.	.	.	.	" " Linnean Society.
F.N.I.	.	.	.	" " National Institute of Sciences (India).
F.R.A.C.P.	.	.	.	" " Royal Australian College of Physicians.
F.R.A.C.S.	.	.	.	" " Surgeons
F.R.A.I.	.	.	.	" " Royal Anthropological Institute.
F.R.A.M.	.	.	.	" " the Royal Academy of Music.
F.R.A.S.	.	.	.	" " Royal Astronomical Society.
F.R.Ae.S.	.	.	.	" " Aeronautical Society.
F.R.B.S.	.	.	.	" " Society of British Sculptors.
F.R.C.M.	.	.	.	" " College of Music.
F.R.C.O.	.	.	.	" " Organists.
F.R.C.O.G.	.	.	.	" " Obstetricians and Gynæcologists.
F.R.C.P.	.	.	.	" " Physicians, London.
F.R.C.P.Can.	.	.	.	" " Canada.
F.R.C.P.Ed.	.	.	.	" " Edinburgh.
F.R.C.P.I.	.	.	.	" " Ireland.
F.R.C.S.	.	.	.	" " Surgeons of England.
F.R.C.S.Can.	.	.	.	" " Canada.
F.R.C.S.Ed.	.	.	.	" " Edinburgh.
F.R.C.S.I.	.	.	.	" " Ireland.
F.R.C.Sc.I.	.	.	.	" " Science of Ireland.
F.R.C.V.S.	.	.	.	" " Veterinary Surgeons.
F.R.E.S.	.	.	.	" " Economic Society.
F.R.F.P.S.Glas.	.	.	.	" " Faculty of Physicians and Surgeons of Glasgow.
F.R.Hist.S.	.	.	.	" " Historical Society.
F.R.I.A.I.	.	.	.	" " Institute of Architects of Ireland.
F.R.I.A.S.	.	.	.	" " Scotland.
F.R.I.B.A.	.	.	.	" " British Architects.
F.R.I.C.	.	.	.	" " Chemistry.
F.R.Met.S.	.	.	.	" " Meteorological Society.
F.R.S.	.	.	.	" " Society.
F.R.S.A.	.	.	.	" " of Arts.
F.R.S.C.	.	.	.	" " Canada.
F.R.San.I.	.	.	.	" " Sanitary Institute.
F.R.S.L.	.	.	.	" " the Royal Society of Literature.
F.S.A.	.	.	.	" " Society of Antiquaries.
F.S.A.A.	.	.	.	" " Incorporated Accountants and Auditors
F.S.S.	.	.	.	" " Statistical Society.
F.T.C.L.	.	.	.	" " Trinity College of Music, London.
F.T.I.	.	.	.	" " the Textile Institute.
H.D.D.	.	.	.	" " Higher Dental Diploma.
K.H.C.	.	.	.	" " Hon. Chaplain to the King.
K.H.P.	.	.	.	" " Hon. Physician to the King.
K.H.S.	.	.	.	" " Hon. Surgeon to the King.
M.C.	.	.	.	" " Military Cross.
M.M.	.	.	.	" " Military Medal.
M.M. (U.S.A.)	.	.	.	" " Medal of Merit.
O.A.	.	.	.	" " Officier de l'Académie.
O.B.E.	.	.	.	" " Officer Order of British Empire.
O.Lég.d'H.	.	.	.	" " Officier de la Légion d'Honneur.
O.M.	.	.	.	" " Order of Merit.
R.D.	.	.	.	" " Royal Naval Reserve Decoration.
T.D.	.	.	.	" " Territorial Decoration.
T.D.D.	.	.	.	" " Tubercular Diseases Diploma.
V.D.	.	.	.	" " Volunteer Officers' Decoration.
V.R.D.	.	.	.	" " Volunteer Reserve Decoration.

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

5 Gordon Square, London, W.C.1.

Telegrams and Cables . " Uniburb, Westcent, London."

Telephone . Museum 4578/9.

At the final meeting of the Congress of 1912 the delegates resolved that steps be taken for the formation in London of a Bureau of Information for the Universities of the Empire. In the spring of 1919 the Government offered a non-recurrent grant of £5000 to enable the Committee to secure and furnish premises suitable for the wide activities which the Bureau had developed, on condition that the Universities of the Empire undertook to provide funds adequate to its maintenance, and the Bureau was incorporated under licence of the Board of Trade. The Committee thereupon purchased the lease of No. 50 Russell Square. In 1930 the lease of these premises was sold and new offices were built at 88A Gower Street (in Torrington Place), W.C.1, on a site the lease of which was taken from the University of London. At the Fourth Quinquennial Congress of Universities of the Empire, held in Edinburgh in July 1931—the Second having been held at Oxford in 1921 and the Third at Cambridge in 1926—new Articles of Association for the re-organization of the Bureau were considered by the delegates of the 69 Universities represented, and, subject to certain amendments, approved. The Articles were submitted in September 1931 to the Board of Trade, which accorded its approval, subject to the deletion from Article 3 of the following proviso: " Provided that the powers of the Association shall not be exercised in any such way as to purport to restrict the powers and duties exercised by the constituent members under the several charters, statutes, regulations and other instruments of their self-government."

The Articles were approved at an Extraordinary General Meeting of the Association held on September 24, 1932. At the same Meeting the Association expressed its adherence to the principles of policy stated in this proviso.

At Extraordinary Meetings of the Association held in Cambridge on July 14, 1936, in London on January 12, 1940, minor amendments of Schedule A were approved. Further minor alterations in Schedule A, as well as certain changes in the Articles of Association were made at an Extraordinary General Meeting held at Oxford in July 1948. As a result of a Special Resolution at this meeting the name of the Association was changed from " The Universities Bureau of the British Empire " to " The Association of Universities of the British Commonwealth ." The Memorandum and Articles of Association immediately follow.

MEMORANDUM AND ARTICLES OF ASSOCIATION OF THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

(The word " Limited " being omitted by Licence of the Board of Trade)

MEMORANDUM OF ASSOCIATION

1. The name of the Association is " THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH."

2. The registered office of the Association will be situate in England.

3. The objects for which the Association is established are :—

- (1) To take over and accept by way of gift or otherwise such of the assets and property of the unincorporated Universities Bureau of the British Empire, established in 1912, as the Association may lawfully acquire and to carry on and continue the undertaking and activities of the said Bureau.
- (2) To collect and distribute information from time to time on matters of interest to the Universities of the British Empire.
- (3) To arrange conferences and congresses and otherwise to facilitate communication and the interchange of information between the said Universities and between them and the Governments and other public bodies and learned institutions and societies of the British Empire and the Governments, Universities and other bodies of foreign countries.
- (4) To facilitate the interchange of students and teachers between the said Universities and between them and the Universities of foreign countries.
- (5) To establish and maintain a central office in London which shall serve, amongst other things, as a secretariat for the standing Committee of Vice-Chancellors and Principals of Universities in the United Kingdom and for any other Committees which the Universities may from time to time appoint.
- (6) To establish and maintain offices in any other parts of the United Kingdom or in any state, colony, or dependency of the British Empire or in any foreign country or state, to form centres and secretariats for the work and activities of the Association.
- (7) To print, publish and circulate handbooks, periodicals, circulars, leaflets and other publications with a view to making known and to furnishing and disseminating information about and encouraging interest in the objects, work and activities of the Association in any part of the world, and generally in connexion with the carrying out of its objects.

- (8) To invite and collect subscriptions and donations to the funds of the Association by any lawful means.
- (9) To co-operate with other associations having similar objects with a view to the promotion of the objects of this Association.
- (10) To make, accept, endorse, discount and execute promissory notes, bills of exchange and other negotiable instruments
- (11) To invest the moneys of the Association not immediately required for the purposes of the Association in or upon such securities and in such manner as may from time to time be deemed expedient, provided that moneys subject or representing property subject to the jurisdiction of the Charity Commissioners or Board of Education shall not be invested except in such securities and with such sanction (if any) as may for the time being be required by law.
- (12) To borrow or raise money for the purposes of or in connexion with the Association's objects and to secure the same by mortgage or charge of any property of the Association or by the issue of debentures or debenture stock, charged on its undertaking or otherwise, or in any other manner as may be deemed expedient.
- (13) To do all such other things as may be thought calculated to promote the interests and well-being of the Universities of the British Empire or any of them.
- (14) To do all such other things as may be incidental or conducive to the attainment of the above objects or any of them.

Provided that the Association shall not support with its funds any object or endeavour to impose on or procure to be observed by its Members or others any regulation, restriction or condition which if an object of the Association would make it a Trade Union.

Provided also that in case the Association shall take or hold any property subject to the jurisdiction of the Charity Commissioners or Board of Education for England and Wales, the Association shall not sell, mortgage, charge or lease the same without such authority, approval or consent as may be required by law, and as regards any such property the Managers or Trustees of the Association shall be chargeable for such property as may come into their hands, and shall be answerable and accountable for their own acts, receipts, neglects and defaults, and for the due administration of such property in the same manner and to the same extent as they would as such Managers or Trustees have been if no incorporation had been effected; and the incorporation of the Association shall not diminish or impair any control or authority exercisable by the Chancery Division, the Charity Commissioners or the Board of Education over such Managers or Trustees, but they shall, as regards any such property, be subject jointly and separately to such control or authority as if the Association were not incorporated. In case the Association shall take or hold any property which may be subject to any trusts, the Association shall only deal with the same in such manner as allowed by law having regard to such trusts.

4. The income and property of the Association, whencesoever derived, shall be applied solely towards the promotion of the objects of the Association as set forth in this Memorandum of Association ; and no portion thereof shall be paid or transferred directly or indirectly by way of dividend, bonus, or otherwise howsoever by way of profit, to the Members of the Association.

Provided that nothing herein shall prevent the payment, in good faith, of reasonable and proper remuneration to any officer or servant of the Association, or to any Member of the Association, in return for any services actually rendered to the Association, nor prevent the payment of interest at a rate not exceeding 5 per cent per annum on money lent or reasonable and proper rent for premises demised or let by any Member to the Association ; but so that no Member of the Executive Committee or Governing Body of the Association shall be appointed to any salaried office of the Association, or any office of the Association paid by fees, and that no remuneration or other benefit in money or money's worth shall be given by the Association to any Member of such Committee or Governing Body except repayment of out-of-pocket expenses and interest at the rate aforesaid on money lent or reasonable and proper rent for premises demised or let to the Association : Provided that the provision last aforesaid shall not apply to any payment to any railway, gas, electric lighting, water, cable or telephone company of which a Member of the Executive Committee or Governing Body may be a Member or any other company in which such Member shall not hold more than one-hundredth part of the capital, and such Member shall not be bound to account for any share of profits he may receive in respect of any such payment.

5. No addition, alteration, or amendment shall be made to or in the regulations contained in the Articles of Association for the time being in force, unless the same shall have been previously submitted to and approved by the Board of Trade.

6. The 3rd and 4th Paragraphs of this Memorandum contain conditions on which a licence is granted by the Board of Trade to the Association in pursuance of Section 20 of the Companies (Consolidation) Act, 1908.

7. The liability of the Members is limited.

8. Every Member of the Association undertakes to contribute to the assets of the Association, in the event of the same being wound up during the time that he is a Member, or within one year afterwards, for payment of the debts and liabilities of the Association contracted before the time at which he ceases to be a Member, and of the costs, charges and expenses of winding up the same, and for the adjustment of the rights of the contributories amongst themselves, such amount as may be required not exceeding One Pound.

9. If upon the winding up or dissolution of the Association there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall not be paid to or distributed among the Members of the Association, but shall be given or transferred to some other institution or institutions having objects similar to the objects of the Association, and which shall prohibit the distribution of

its or their income and property amongst its or their Members to an extent at least as great as is imposed on the Association under or by virtue of Clause 4 hereof, such institution or institutions to be determined by the Members of the Association at or before the time of dissolution, or in default thereof by such Judge of the High Court of Justice as may have or acquire jurisdiction in the matter, and if and so far as effect cannot be given to the aforesaid provision then to some charitable object.

10 True accounts shall be kept of the sums of money received and expended by the Association, and the matter in respect of which such receipts and expenditure take place, and of the property, credits and liabilities of the Association; and, subject to any reasonable restrictions as to the time and manner of inspecting the same that may be imposed in accordance with the regulations of the Association for the time being, shall be open to the inspection of the Members. Once at least in every year the accounts of the Association shall be examined and the correctness of the balance-sheet ascertained by one or more properly qualified Auditor or Auditors.

ARTICLES OF ASSOCIATION

PRELIMINARY

1. The number of the Members of the Association is declared not to exceed 100, but the Council may at any time register an increase in the number of the Members.

2. These Articles shall be construed with reference to the provisions of the Companies Act, 1929, and terms used in these Articles shall be taken as having the same respective meanings as they have when used in that Act.

3. The Association is established for the purposes expressed in the Memorandum of Association.

MEMBERSHIP

4. The Members of the Association shall consist of corporate bodies with the following status :—

- (a) *Ordinary Members* who shall be (i.) such of the Universities specified in Schedule A attached to these Articles as sign the undertaking required by Article 5, and (ii.) such Universities situate within the British Empire, which may be hereafter incorporated, as are admitted members by the Council in accordance with such regulations as may be framed by the Council in this behalf.
- (b) *Associate Members* who shall be such Universities in mandated territories and such other institutions being University Colleges or Colleges of Universities within the Empire (being corporate bodies), as may hereafter be admitted members by the Council under such conditions of membership as may be prescribed by the Council in this behalf.
- (c) *Such other classes of members* (consisting of corporate bodies) as may from time to time be admitted by the Council under such

conditions of membership as may be prescribed by the Council in this behalf

5. Every Member shall sign an undertaking in such form as the Council may require to observe and perform all the conditions and provisions of the regulations of the Association for the time being in force, and thereupon the name of such Member shall be entered in the register of Members of the Association.

6. Ordinary Members shall have full rights of membership. Other Members shall be entitled to such of the privileges and benefits of the Association as may be assigned to them from time to time by the Council.

7. Every Member shall nominate a person to act as its representative. Such nomination shall be in writing and shall be deposited at the registered office of the Association. Such representative shall have the right on behalf of the Member to exercise all such rights of membership as may have been assigned to such Member by these Articles or by Regulations framed by the Council. A Member may from time to time in writing revoke the nomination of such representative, and nominate another representative in his place.

7*a*. The representative of any Member may nominate in writing deposited with the Secretary a deputy to act for him during any period for which he gives notice in such writing that he will be absent from the United Kingdom; during such period for the purposes of these Articles any deputy so nominated shall be entitled to act as if he were the representative, and the Association shall be entitled to treat him as the representative, and anything done or suffered by him shall be deemed to have been done or suffered by the representative, whether (should the representative be at the time one of the persons appointed to the Executive Council) in relation to the business of the Executive Council or otherwise.

8. Any Member may withdraw from the Association by giving notice in writing to the Secretary before the expiration of any financial year, and on paying with such notice any unpaid subscription for the current year. Thereupon such Member shall be deemed to have ceased to be a Member from the date of the expiration of such financial year.

9. Upon the retirement of any Member by notice as stated in Article 8 the Member shall not be entitled to any repayment of any subscription or any part thereof paid for the current year.

10. The rights of any Member shall not be transferable and shall cease upon the Member failing to pay the annual subscription within twelve months of its becoming due. Any such Member may be re-admitted to membership upon payment of the subscription for the year during which its membership lapsed.

DUTIES OF MEMBERS

11. Every Member of the Association shall be bound :—

(*a*) To pay to the Association such minimum annual subscriptions for the various classes of members as may be fixed by the Association at its first General Meeting after the adoption of these Articles, and as may subsequently be fixed from time to time at

Extraordinary Meetings held during the progress of Quinquennial Congresses, under the provisions of Article 35.

- (b) To observe the provisions of these presents and of the Memorandum of Association and all the bye-laws, rules and regulations of the Association for the time being in force.

COUNCIL OF THE ASSOCIATION

12. The Executive of the Association shall be a Council consisting of 21 persons chosen from the representatives of Ordinary Members as follows.—

Member Universities of Great Britain and Ireland	9 representatives
“ “ Canada	3 “
“ “ Australia	2 “
“ “ New Zealand	1 representative
“ “ South Africa	2 representatives
“ “ India	2 “
“ “ Pakistan	1 representative
“ “ other parts of the British Empire	1 representative

13. The Members of the Council shall be appointed by the Association in General Meeting for a period of one year on the respective nominations of the Ordinary Members of the Association for the several territories specified in Article 12.

14. The office of a Member of the Council shall *ipso facto* be vacated if his appointment as a representative of a Member is withdrawn by the Member appointing him, or if the Corporation appointing him ceases to be a Member of the Association.

15. Casual vacancies shall be filled by the Council from amongst the representatives nominated by Ordinary Members under the provisions of Article 7. The person so appointed shall hold office until the Annual Meeting next after his appointment, but he shall then be eligible for re-election if nominated in accordance with the terms of Article 13.

16. No act or resolution of the Council shall be invalidated by reason of the existence of any vacancy or vacancies among Members of the Council, but if the number of Members of the Council shall be reduced below 13 the continuing Members may act for the purpose only of filling vacancies or summoning a General Meeting of the Association.

17. The Council shall manage and control all matters relating to the management and organization of the Association and may exercise all such powers of the Association as are not by the Companies Act, 1929, or by these Articles required to be exercised by the Association in General Meeting, subject nevertheless to any regulation of these Articles, to the provisions of the said Act, and to such regulations being not inconsistent with the aforesaid regulations or provisions, as may be prescribed by the Association in General Meeting; but no regulation made by the Association in General Meeting shall invalidate any prior act of the Council which would have been valid if that regulation had not been made.

18. The Council may appoint, in consultation with the appropriate groups of Universities, special Committees to study and report on questions of interest to the Universities in more than one region of the Empire and shall provide the necessary secretarial assistance for such Committees, but if such assistance involves exceptional expenditure, they may make it a condition of providing such assistance that a special subvention be made by the Universities concerned.

19. The Council shall study and report on, either by means of special Committees or otherwise as may be appropriate in each case, any questions referred to them by any Conference or Congress of Universities, but if exceptional expenditure is involved they may make it a condition of undertaking the inquiry that a special subvention be made by the Universities concerned.

20. The Council may elect a Chairman of their meetings and determine the period for which he is to hold office, but if no such Chairman is elected, or if he should not be present at the commencement of any meeting of the Council, the members of the Council shall select a Chairman from those present for that meeting.

21. The Chairman of the Council may at any time, and the Secretary upon the request of six Members of the Council shall, convene a meeting of the Council. In the case of a meeting convened at the request of six Members the notice of meeting shall state the character of the business to be discussed, and only business of which notice shall have been so given shall be discussed at that meeting. Each Member of the Council shall name an address in the United Kingdom at which all notices shall be served upon him, and all notices served at such address shall be deemed to be well served. Questions arising at any meeting of the Council shall be decided by a majority of Members present and voting at such meeting. In the event of the votes being equally divided the Chairman shall have a second or casting vote.

22. The quorum for a meeting of the Council shall be five.

23. A meeting of the Council for the time being at which a quorum is present shall be competent to exercise all or any of the authorities, powers and discretions by or under the Articles of Association for the time being vested in or exercisable by the Council generally.

24. The Council may delegate such of its powers as it considers desirable to any Committee consisting of Members of the Council.

25. The meetings and proceedings of any such Committee shall be governed by the provisions herein contained for regulating the meetings and proceedings of the Council, so far as the same are applicable thereto.

26. The Council may from time to time appoint a Secretary of the Association and any other officers or servants who may be required for the performance of the business of the Association or of the Council, and may from time to time appoint a temporary substitute for the Secretary who, in the absence of the Secretary, shall be deemed to be the Secretary.

27. All acts done by any meeting of the Council or by any person acting as a Member of the Council shall notwithstanding that it shall be afterwards discovered that there was some defect in the appointment of the Council or persons acting as aforesaid, or that they or any of

them were disqualified, be as valid as if every such person had been duly appointed and was qualified to be a Member of the Council.

28. Without prejudice to the generality of the powers conferred upon the Council by Article 17 the Council may from time to time frame regulations (a) generally to give effect to the provisions of the Memorandum of Association and of these Articles and (b) particularly for the following purposes :—

- (1) for admitting Universities which may hereafter become corporations ;
- (2) for admitting as Associate members Corporations which are Universities in mandated territories and other institutions being University Colleges or Colleges of Universities within the Empire ;
- (3) for assigning privileges of membership to (a) Associate members and (b) other classes of members ;
- (4) for prescribing a form to be signed by members prior to admission as members ;
- (5) for prescribing the manner in which the groups of Universities referred to in Article 12 shall appoint representatives ;
- (6) for managing the business and defining the duties of the Association ;
- (7) for delegating to Committees of the Council such of its powers as are not inconsistent with the provisions of these Articles ;
- (8) for fixing the manner of the appointment of the special Committees referred to in Articles 18 and 19 ;
- (9) for arranging for the provision of secretarial assistance to such Committees ; and for assessing any exceptional expenditure involved and distributing it amongst Universities concerned ;
- (10) for determining the period for which the Chairman of the Council is to hold office ;
- (11) for defining the manner in which the minutes of business transacted at meetings of the Association are to be recorded ;
- (12) for providing for the custody of the seal and for determining the officer of the Association other than the Secretary who may countersign instruments to which the seal is attached ;
- (13) for prescribing the form in which instruments appointing proxies shall be framed ;
- (14) for prescribing the books of account which have to be maintained in accordance with the provisions of Article 60 ;
- (15) for prescribing the place at which such books of account shall be kept.

Provided always that no regulation made by the Council shall have any validity or effect if it amounts to or involves such an alteration of or addition to these Articles as could only lawfully be made by Special Resolution.

MINUTES

29. The Council shall cause minutes to be duly entered in books provided for the purpose of all business transacted at General and Extraordinary Meetings and at meetings of the Council and Committees thereof.

30. Any such minutes of any meeting of the Council or of Committees thereof, or of the Association, if purporting to be signed by the Chairman of such meeting, or by the Chairman of the next succeeding meeting, shall be conclusive evidence of the matters stated in such minutes.

31. The Council shall submit to the Annual General Meeting of the Association a report of its work and activities during the preceding year.

SEAL

32. The Council shall provide for the safe custody of the seal, and the seal shall never be used except by the authority of the Council previously given, and in the presence of a Member of the Council, who shall sign every instrument to which the seal is affixed, and every such instrument shall be countersigned by the Secretary or some other person appointed by the Council.

GENERAL MEETINGS

33. A General Meeting of the Association shall be held once at least in every calendar year in London or such other University town and at such time as may be determined by the Council provided that a General Meeting shall be held within not more than fifteen months after the holding of the last General Meeting.

34. The above-mentioned General Meetings shall be called Ordinary Meetings, all other General Meetings shall be called Extraordinary Meetings.

35. An Extraordinary Meeting of the Association shall be held during the progress of each Quinquennial Congress of Universities of the Empire or within three days of the commencement or termination of that Congress.

36. Notwithstanding any provisions to the contrary in these Articles the Chairman shall have power at any Extraordinary Meeting summoned under the provisions of Article 35 to place on the agenda matters which have been the subject of a resolution passed by the delegates at the Quinquennial Congress during which the Extraordinary Meeting is being held.

37. The Council may whenever it thinks fit, and it shall upon a requisition made in writing and signed by Members entitled to vote representing not less than one-tenth of the total voting rights of all the Members having at the date of the requisition a right to vote at General Meetings of the Association, convene an Extraordinary Meeting. The Secretary shall at any time when required by the Chairman of the Council summon an Extraordinary Meeting.

38. Any requisition made by the Members of the Association entitled to vote as aforesaid shall express the object of the meeting proposed to be called and shall be left at the registered office of the Association.

39. Upon the receipt of such requisition the Council shall forthwith proceed to convene an Extraordinary Meeting, and if they neglect to do so for twenty-one days from the time of the requisition being so left

the requisitionists or any of them representing more than one-half of the total voting rights of all of them may themselves convene the meeting in the same manner, as nearly as possible, as that in which meetings are to be convened by the Council.

40. The business of an Ordinary Meeting shall be :—

- (a) To receive and consider the accounts, the balance sheet and the reports of the Council and the Auditors;
- (b) To appoint an Auditor or Auditors and fix his or their remuneration.
- (c) To appoint the Members of Council in accordance with the provisions of Article 13.

All other business transacted at an Ordinary Meeting and all business transacted at an Extraordinary Meeting shall be deemed special. If any Member has any proposal or any matter which he wishes to make or bring before an Ordinary Meeting he shall give fourteen days' written notice thereof to the Secretary.

41. Subject to the provisions of Section 117 (2) of the Companies Act, 1929, relating to Special Resolutions, twenty-eight days' notice at the least (or in the case of a meeting convened pursuant to a requisition of Members fourteen days' notice at the least) exclusive of the day of giving the notice but inclusive of the day of the meeting, specifying the place, the day and hour of meeting and (in case of special business) the general nature of such business, shall be given by notice to the Members in manner hereinafter stated with reference to the giving of notices, but the accidental omission to give such notice to or the non-receipt of such notice by any Member shall not invalidate the proceedings of any meeting. It shall not be necessary to give notice of a meeting to a representative of a Member who has no registered address in the United Kingdom.

42. Except as otherwise provided by these presents no business shall be transacted at any General Meeting unless a quorum of Members entitled to vote is present at the time when the meeting proceeds to business.

43. A quorum shall consist of ten Ordinary Members.

44. If within half-an-hour from the time appointed for a meeting ten Ordinary Members entitled to vote are not present the meeting if convened upon a requisition of Members shall be dissolved, but in any other case it shall stand adjourned to a place to be fixed by the Chairman and to a date to be fixed by the Chairman not earlier than two weeks and not later than one month after the date of the original meeting, and if at such adjourned meeting a quorum is not present but two or more Ordinary Members entitled to vote are present the Members present entitled to vote shall be a quorum and may transact the business for which the original meeting was called.

45. At any adjourned General Meeting the Ordinary Members present entitled to vote being two or more in number shall have the power to decide upon all matters which could properly have been disposed of at the meeting from which the adjournment took place had a sufficient number of Members entitled to vote been present at such meeting. Notice of the time and place fixed by the Chairman for an adjourned

meeting shall be given to all Members entitled to receive notices of meetings

46. The Chairman of the Council shall be the Chairman of every General Meeting, but if within fifteen minutes from the time appointed for holding the meeting he is not present the Members present at the meeting and entitled to vote shall choose a Member entitled to vote to act as Chairman in his place.

47. The Chairman may upon the resolution of the meeting adjourn any meeting from time to time and from place to place, but no business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment took place.

48. No poll shall be demanded on the appointment of a Chairman or on a question of adjournment

49. At any General Meeting unless a poll is demanded by at least two Members entitled to vote a declaration by the Chairman that a resolution has been carried or has been carried unanimously or by a particular majority or lost or not carried by a particular majority and an entry to that effect in the book of proceedings of the Association shall be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against such resolution.

50. If a poll is demanded by two or more Members entitled to vote it shall be taken in such manner as the Chairman directs, and he shall have power to take the poll at once at the meeting or to adjourn the meeting for a reasonable time not exceeding fourteen days for the purpose of taking such poll, and the result of such poll shall be deemed to be the resolution of the Association in General Meeting. In case of an equality of votes at any General Meeting the Chairman shall be entitled to a second vote or casting vote.

51. Minutes of all resolutions and proceedings at General Meetings, signed by any person purporting to be the Chairman of the Meeting at which such Minutes were signed as correctly recorded, shall be conclusive evidence of the facts therein stated.

52. Nothing in these Articles shall preclude the Council from inviting any member of the teaching or administrative staff of a corporation or institution, which is an Ordinary Member or an Associate Member, to attend a General or Extraordinary Meeting of the Association, or any meeting of the Council or Committees thereof, provided that any person so attending any meeting shall not be entitled to vote at such meeting or to participate in any discussion on any subject other than that for the discussion of which he has been invited to attend.

VOTES AT GENERAL MEETINGS

53. Every Member entitled to vote represented directly or by proxy shall have one vote and no more at a General Meeting except the Chairman, who shall, in case of an equality of votes, have a second or casting vote.

54. Votes may be given either personally by the representative of a Member or by proxy given by such representative.

ARTICLES OF ASSOCIATION

55. The instrument appointing a proxy shall be in writing under the hand of the appointer and may be in the following form :—

SIGNED this day of
Or in such other form as the Council shall approve.

57. The instrument appointing a proxy shall be deposited at the registered office of the Association or delivered to the Secretary not less than forty-eight hours before the time appointed for holding the meeting at which the person named in such instrument proposes to vote.

59. The Chairman of any meeting shall be the sole and absolute judge of the validity of every vote tendered at such meeting or poll and may allow or disallow the votes tendered according as he shall be of opinion that they are or are not valid.

60. The Council shall cause proper books of account to be kept with respect to :

(b) all sales and purchases of goods by the Association :

61. The books of account shall be kept at such place as the Council may from time to time appoint, and subject to any reasonable restrictions as to the time and manner of inspecting them that may be imposed by the Association in General Meeting, the books of account shall be open to the inspection of the Members at all times during the usual business hours.

63. A copy of every balance sheet (including every document required by law to be annexed thereto) which is to be laid before the Association in General Meeting together with a copy of the auditor's

report shall, not less than seven days before the date of the meeting, be sent to all persons entitled to receive notices of General Meetings of the Association.

AUDIT

64. Auditors shall be appointed and their duties regulated in accordance with Sections 132, 133 and 134 of the Companies Act, 1929.

NOTICES

65. A notice may be given by the Association to any Member either personally to the representative of such Member or by sending it by post to such representative to his address in the United Kingdom. Every representative of a Member shall furnish to the Association an address in the United Kingdom at which notices may be served.

66. Where a notice is sent by post, service of the notice shall be deemed to be effected by properly addressing, prepaying and posting a letter containing the notice, and, unless the contrary is proved, to have been effected on the day succeeding that on which it was posted.

SCHEDULE A. (*Vide* Article 4 (a))

UNIVERSITIES OF GREAT BRITAIN AND IRELAND

England and Wales : Birmingham, Bristol, Cambridge, Durham, Leeds, Liverpool, London, Manchester, Oxford, Reading, Sheffield, Wales.

Scotland : Aberdeen, Edinburgh, Glasgow, St. Andrews.

Ireland : The Queen's University of Belfast ; University of Dublin Trinity College ; the National University of Ireland.

UNIVERSITIES OVERSEAS

Canada : Acadia, Alberta, Bishop's College, British Columbia, Dalhousie, King's College, Laval, McGill, McMaster, Manitoba, Montreal, Mount Allison, New Brunswick, Ottawa, Queen's, St. Francis Xavier, Saskatchewan, Toronto, Western Ontario.

Australia : Adelaide, Australian National University, Melbourne, Queensland, Sydney, Tasmania, Western Australia.

New Zealand : The University of New Zealand.

South Africa : Cape Town, Pretoria, South Africa, Stellenbosch, Witwatersrand.

Malta : The University of Malta.

India : Agra, Aligarh Muslim University, Allahabad, Andhra, Annamalai, Benares Hindu University, Bombay, Calcutta, Delhi, Lucknow, Madras, Mysore, Nagpur, Osmania University, Patna, Travancore, Utkal.

Pakistan : Dacca, Panjab, Sind.

Hong-Kong : The University of Hong-Kong.

Ceylon : The University of Ceylon.

MEMBERS OF THE ASSOCIATION OF UNIVERSITIES
OF THE BRITISH COMMONWEALTH, TOGETHER
WITH THEIR REPRESENTATIVES (as at 31st May
1948)

(i) Ordinary Members

ENGLAND AND WALES

<i>University</i>	<i>Representative</i>
Birmingham	R. E. Priestley, M.C., M.A., D.Sc.
Bristol	Sir Philip Morris, C.B.E., M.A.
Cambridge	Rev. C. E. Raven, M.A., D.D.
Durham	Rt. Hon. Lord Eustace Percy, M.A., LL.D., D.C.L.
Leeds	B. Mouat Jones, D.S.O., M.A.
Liverpool	J. F. Mountford, M.A., D.Litt.
London	D. W. Logan, D.Phil.
Manchester	Sir John S. B. Stopford, M.D., Sc.D, D.Sc., F.R.S.
Oxford	W. T. S. Stallybrass, O.B.E., D.C.L.
Reading	Sir Frank Stenton, M.A., D.Litt., Litt.D., F.B.A.
Sheffield	J. I. O. Masson, M.B.E., D.Sc., LL.D., F.R.I.C., F.R.S.
Wales	Rt. Hon. Lord Harlech, K.G., G.C.M.G., D.C.L., F.S.A.

SCOTLAND

Aberdeen	Sir W. Hamilton Fyfe, M.A., LL.D., F.R.S.C.
Edinburgh . . . . .	.....
Glasgow	Sir Hector Hetherington, M.A., D.Litt., LL.D.
St. Andrews	Sir James C. Irvine, C.B.E., D.C.L., LL.D., D.Sc., Sc.D., Ph.D., F.R.S.

IRELAND

Queen's, Belfast	Sir David L. Keir, M.A.
Dublin, Trinity College .	E. H. Alton, M.A., Litt.D.
National University of Ireland	Very Rev. Patrick Brown, M.A., D.Sc.

CANADA

Alberta	Professor C. M. MacInnes, M.A.
British Columbia	R. L. Vulliamy, M.A., D.Phil.
Dalhousie	J. Cameron, D.Sc., M.D., F.R.S.C.
McGill	T. F. Cotton, B.A., D.Sc., M.D., F.R.C.P.
Manitoba	A. H. S. Gillson, O.B.E., M.A.
Mt. Allison	Lt.-Col. W. T. R. Flemington.
New Brunswick	A. W. Trueman, M.A., D.Litt., LL.D.
Queen's, Ontario	Sir Edward R. Peacock, G.C.V.O., D.C.L.
Saskatchewan	A. E. Cameron, M.A., D.Sc.
Toronto	Rt. Hon. Viscount Greenwood.
Western Ontario	Lewis R. Yealland, M.D., F.R.C.P.

xxviii MEMBERS OF ASSOCIATION OF UNIVERSITIES

AUSTRALIA

<i>University</i>	<i>Representative</i>
Adelaide	Professor F. Goldby, M.A., M.D.
Australian National University	Professor E. Ashby, D.Sc., D.I.C., F.L.S.
Melbourne	Professor H. S. W. Massey, M.Sc., Ph.D., F.R.S.
Queensland	C. E. Kerr, B.E., B.A., B.Sc.
Sydney	Professor T. G. B. Osborn, M.A., D.Sc.
Tasmania	J. W. Evans, D.Sc.
Western Australia	Professor G. A. Currie, B.Sc. (Agric.), D.Sc.

NEW ZEALAND

New Zealand	H. M. Taylor, M.A., Ph.D.
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SOUTH AFRICA

Cape Town	Thomas Loveday, M.A., LL.D.
Witwatersrand	William Cullen, LL.D. (Since deceased)

INDIA

Annamalai	Professor Sir Sarvapalli Radhakrishnan, M.A., D.Litt.
Calcutta	Sir Ewart Greaves, M.A., D.L.
Madras	R. Littlehales, C.I.E., M.A.
Osmania . . . . .	.....
Patna	H. Lambert, M.A., Ph.D.
Travancore	H. C. Papworth, O.B.E., M.A.

PAKISTAN

Panjab	Sir Geoffrey de Montmorency, G.C.I.E., K.C.S.I., K.C.V.O., C.B.E., M.A.
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OTHER PARTS OF THE EMPIRE

Malta	General Sir Charles Bonham-Carter, K.C.B., C.M.G., LL.D.
Hong-Kong . . . . .	.....

(ii) Associate Members

<i>College</i>	<i>Representative</i>
University College of the South West of England, Exeter	John Murray, M.A., LL.D.
University College, Hull	J. H. Nicholson, M.A.
University College, Leicester	F. L. Attenborough, M.A.
University College of Nottingham ham . . . . .	.....
University College, Southampton ton	Sir Robert Wood, K.B.E., C.B., M.A.
University of Otago, Dunedin, N.Z. . . . .	.....
Canterbury University College, Christchurch, N.Z.	A. J. Harrop, M.A., Ph.D., Litt.D.

MEMBERS OF ASSOCIATION OF UNIVERSITIES xxix

<i>College</i>	<i>Representative</i>
Auckland University College, N.Z.	Col. E. Marsden, C.M.G., C B.E., M.C., D.Sc., F R.S.
Victoria University College, Wellington, N.Z.	J. W. Davidson, Ph.D.
Natal University College, South Africa	H. H. Balfour, O.B.E., M.B., C.M.
Rhodes University College, South Africa	L. G. Ray.

(iii) Additional Members

Municipal College of Technology, Manchester	J. E. Myers, O.B.E., D.Sc.
Royal Technical College, Glasgow	D. J. Anderson, B.Sc., Ph.D.
Raffles College, Singapore . . . . .	.....
King Edward VII College of Medicine, Singapore . . . . .	.....

THE EXECUTIVE COUNCIL

(Appointed under Articles 12 and 13 of the Articles of Association at the First General Meeting held in London on the 24th September 1932)

REPRESENTATIVES NOMINATED BY MEMBER UNIVERSITIES

UNIVERSITIES OF GT. BRITAIN AND IRELAND

W. T. S. STALLYBRASS, O.B.E., D.C.L. (Oxford)	Oxford
Rev. C. E. RAVEN, M.A., D.D. (Cambridge)	Cambridge
D. W. LOGAN, D.Phil. (London)	London
J. F. MOUNTFORD, M.A., D.Litt. (Liverpool)	Birmingham, Bristol, Durham, Leeds, Liver- pool, Manchester, Reading, Sheffield and Wales
R. E. PRIESTLEY, M.C., M.A., D.Sc. (Birmingham)	
Rt. Hon. LORD HARLECH, K.G., G.C.M.G., D.C.L., F.S.A. (Wales)	
Sir W. HAMILTON FYFE, M.A., LL.D., F.R.S.C. (Aberdeen)	Aberdeen, Edinburgh, Glasgow, St. Andrews and Belfast
Sir HECTOR HETHERINGTON, M.A., D.Litt., LL.D. (Glasgow)	
Very Rev. PATRICK BROWN, M.A., D.Sc. (National University of Ireland)	Dublin and National Uni- versity of Ireland

UNIVERSITIES OF CANADA

T. F. COTTON, B.A., D.Sc., M.D., F.R.C.P. (McGill)
Sir EDWARD R. PEACOCK, G.C.V.O., D.C.L. (Queen's)
L. R. YEALLAND, M.D., F.R.C.P. (W. Ontario)

UNIVERSITIES OF AUSTRALIA

Professor F. GOLDBY, M.A., M.D. (Adelaide)
Professor H. S. W. MASSEY, M.Sc., Ph.D., F.R.S. (Melbourne)

UNIVERSITY OF NEW ZEALAND

H. M. TAYLOR, M.A., Ph.D. (New Zealand)

UNIVERSITIES OF SOUTH AFRICA

..... (Witwatersrand)

THOMAS LOVEDAY, M.A., LL.D. (Cape Town)

THE EXECUTIVE COUNCIL

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UNIVERSITIES OF INDIA

Sir EWART GREAVES, M.A., D.L. (Calcutta)

R. LITTLEHAILES, C.I.E., M.A. (Madras)

UNIVERSITIES OF OTHER PARTS OF THE EMPIRE

HONG-KONG, MALTA

General Sir CHARLES BONHAM-CARTER, K.C.B., C.M.G.,
LL.D. (Malta)

Chairman : Rt. Hon. LORD HARLECH, K.G., G.C.M.G., D.C.L.,
F.S.A.

Hon. Treasurer :

Secretary : J. F. FOSTER, M.A., LL.M.

ADDENDA ET DELEND A

- p. 25. *Add Genetics*. Mather, K., D.Sc., Prof.
- p. 160. *Art (Fine Arts)*. *Delete* Schwabe, R., Slade Prof.
- p. 179. *Russian*. Matthews, W. K., M.A. Manc, Ph.D., *now Prof instead of Lectr.*
- p. 215. *Psychology*. *Delete* Edgell, Beatrice, Emeritus Prof.
- p. 226. *Biochemistry*. *Add* Williams, R. T., B.Sc., Ph D. Wales, D.Sc. Birm. (from 1.10.48), Prof. (S.M.).
- p. 271. Vice-Chancellor. *Delete* W. T. S. Stallybrass. *Add* Very Rev. J. Lowe, D.D. Tor., M.A.
- p. 284. Brasenose College. Principal. *Delete* W. T. S. Stallybrass.
- p. 291. The Queen's College. Jones, J. Walter, Tutor (Law), *now Provost*.
- p. 341. *Music*. *Delete* de Lloyd, David J., Gregynog Prof.
- p. 400. *Medicine*. Fullerton, H. W., M.A., M.D., *now Regius Prof. instead of Lectr.*
- p. 712. *Veterinary Science*. *Add* Emmens, C. W., Ph.D. Lond. (Vet. Physiol.), Hd. of Dept.
- p. 713. *Mechanical Engineering*. *Add* Boomsma, M., Ing. Amsterdam (E. Design and Drawing), Lectr.
Law. *Add* Benjafield, D. G., LL.B., Lectr.
- p. 714. *Anæsthetics*. *Add* to list of Tutors: Marshall, S. V., M.B., Ch.M.; Yeates, J. M., M.B., F.R.C.S.
Gynaecology. *Add* Chenall, F. N., M.B., B.S., Lecturer; McIlwrath, Muriel, B., M.B., B.S., F.R.C.S., Tutor; Stening, M. J. L., M.D., B.S., F.R.C.S., F.R.A.C.S., Tutor.
- Medicine, Clinical*. *Add* to list of Tutors: Anderson, D. J., M.B., B.S.; Brodziak, I. A., M.B., B.S.; Corlette, E. L., M.B., B.S.; Fisher, W. E., M.D., Ch.M.; Hughes, K. T., M.B., B.S.; Lamrock, J. J. C., M.B., Ch.M.; Lawes, F. A. E., M.B., Ch.M.; Nelson, S. G., M.B., B.S., B.Sc.; Rennie, H. M., M.B., B.S.; Saxby, N. H. W., M.B., B.S.; Spark, T. E. H., M.B., B.S.; Tyrer, J. W. H., M.B., B.S.; Wilson, F. H. H., M.B.
- p. 715. *Pathology*. *Add* Robertson, J. S., M.B., B.S., Sr. Lectr.; Maguire, F. A., C.M.G., D.S.O., M.D., Ch.M., F.R.C.S., F.R.A.C.S., Hon. Lectr.
Surgery, Clinical. *Add* to list of Tutors: Langley, E. F., M.B., B.S., Melb.; Lawes, C. H. W., M.B., Ch.M.; Rawle, R. M., M.B., B.S., F.R.C.S.; Rose, T. F., M.B., B.S., F.R.C.S. Eng. and Ed.
- p. 716. St. Andrew's College. *Add* Actg. Principal for 1948, J. McIntyre, M.A., B.D. Edin. Vice-Principal, Professor R. E. Smith.

UNIVERSITIES OF GREAT BRITAIN AND IRELAND

HISTORICAL AND GENERAL SUMMARY

UNIVERSITIES were the outcome of the great intellectual revival which affected Europe in the twelfth and thirteenth centuries. Shortly after the Schools of Bologna and Paris had developed into what we now term Universities, similar seats of learning arose at Oxford and Cambridge, the nucleus of organization being, as at Paris, a corporation of masters—not, as at Bologna, a corporation of students—and many of the students being boys of fourteen or even younger. Instruction was in the form of lectures by licensed teachers. To the Seven Liberal Arts of the mediæval schools (the “trivium”—grammar, logic and rhetoric, and the “quadrivium”—arithmetic, geometry, music and astronomy) the Universities added the three higher “Faculties” of theology, law and medicine in order to provide complete preparation for the learned professions. The Scottish Universities, except Edinburgh, were founded in the fifteenth century, but the country had not been greatly influenced by the Revival of Learning, and although the earliest Reformers were in touch with continental scholars, and some attempts were made to introduce the New Learning into the schools and universities, the mediæval scholastic tradition remained paramount in St. Andrews and Glasgow until the seventeenth century. Aberdeen was more receptive to *renaissance* influences. The University of Edinburgh originated in a College established by the Town Council in 1583. Trinity College, Dublin, was founded by Queen Elizabeth in 1591 on the lines of the Oxford and Cambridge colleges.

After the Reformation a demand arose in England for education of a more secular type, but the Acts of Uniformity (1559 and 1662) and similar measures stereotyped the schools and universities as clerical and theological institutions, and by the latter half of the eighteenth century the teaching in the Universities had become mainly traditional and formal and they were rapidly losing their hold on the national life.

Readjustment to modern conditions took place in the course of the nineteenth century. Already in 1779 Protestant Dissenters, and in 1791 Roman Catholics, had been emancipated from the ban against their following the teaching profession. The few denominational tests retained by the older Universities were abolished in 1871.

Oxford in 1800 established a system of written examinations for the bachelorship, and Cambridge, in 1824, the classical Tripos. Soon afterwards both Universities instituted non-classical Honour examinations. The University Commissioners of 1850 and 1877 made provision at Oxford and Cambridge for the endowment of the teaching of modern subjects, and the throwing open of scholarships to students of such subjects removed practically all obligations to take orders in the Church of England and did much to make the Universities accessible to all classes of the community.

Pursuant to the recommendations made by the Royal Commission of 1919, important constitutional and other changes have been effected at Oxford and Cambridge by the Statutory Commissioners appointed in 1923. See the sections relating to these Universities in the 1929 *Yearbook*.

In 1836 a charter was granted to the University of London empowering it to grant degrees to the students of University College (founded on an undenominational basis as the "University of London" in 1826) and King's College (founded in 1829) and of such other institutions as might become affiliated for purposes of examination. The University was reconstituted in 1900. The University of Durham, which in its original conception followed closely the lines of Oxford, was founded under an Act of Parliament in 1832 and received its charter in 1837. It was partly endowed out of the funds of the See and Chapter of Durham. The Colleges in which the other English Universities originated were founded as follows: Owens College, Manchester, 1851; Yorkshire College, Leeds, 1874; University College, Bristol, 1876; Firth College, Sheffield, 1879; Mason College, Birmingham, 1880; University College, Liverpool, 1881; the University Extension College, in conjunction with the Schools of Science and Art, Reading, in 1892. Created to minister to local needs and supported largely by local benefactions, they were naturally closely associated with local industries, and from the first laid stress upon the study of mathematical, scientific and modern subjects. Reading differs from the others in having been established in a town of comparatively small size (population less than 100,000), in the prominence given to work bearing on the agricultural and associated industries and in its policy of making residence in college or hostel the rule for its students. The Royal College of Science and the Royal School of Mines originated in a Technical School formed in 1851 in connexion with a Museum of Practical Geology. They, with the City and Guilds (Engineering) College, founded in 1881, became integral parts of the Imperial College of Science and Technology which was established in 1907 with the declared purpose of giving the highest specialized instruction and providing for research in the various branches of science, especially in its applications to industry.

A University of Wales was projected early in the fifteenth century, and the project was revived in Cromwell's time, but it did not materialize until 1893. The constituent colleges at Aberystwyth, Cardiff, Bangor, and Swansea were founded in 1872, 1883, 1884 and 1920 respectively. They are thoroughly indigenous to the Principality, much of the funds having been collected in very small sums from

workpeople at the doors of churches and chapels. The Welsh National School of Medicine at Cardiff was incorporated in the University in 1931.

The two modern Irish Universities both date from 1909. In 1850 a Royal Charter was granted to the recently established Queen's Colleges of Belfast, Cork and Galway, constituting them a Federal University, which was absorbed in 1880 in the Royal University. University College, Dublin, representing the Catholic University established by the Irish Bishops in 1854, became with the Cork and Galway Colleges in 1909 constituents of the National University of Ireland, while Queen's College, Belfast, became the Queen's University of Belfast.

A characteristic of British Universities, as compared with those of the Continent of Europe, has from the earliest days been the provision of colleges or halls of residence, in which students live as members of a community, with the privileges of social intercourse and subject to the mutual influence which corporate life exerts.

Women were first admitted to Degrees by the University of London in 1878. Bedford College had already been founded in 1849; the three other colleges for women in connexion with the University of London were founded, Westfield in 1882, Holloway in 1886 and King's in 1892. The last was merged in King's College, London, in 1915. King's College of Household and Social Science was founded in 1908 as a department of King's College for Women, and became a separate "School" of London University in 1928. At Oxford, Lady Margaret Hall was opened in 1878, Somerville in 1879, St. Hugh's in 1886 and St. Hilda's in 1893. Of the Cambridge colleges, Girton originated at Hitchin in 1869 and was removed to the near neighbourhood of Cambridge in 1873. Newnham was founded in 1880. Cambridge admitted women informally to Tripos examinations in 1872 and to the titles of degrees in 1923; in 1926 women were declared eligible to university teaching posts and therefore to membership of boards of faculties. In December 1947 proposals to amend the Statutes were approved, so that women should be admissible to membership of the University on the same terms as men. Oxford admitted them to examinations in 1884, to degrees and full membership in 1920 and to university teaching posts in 1927. Women have been admitted to the Universities of Scotland since 1892, Durham since 1896, Dublin since 1904 and to all the modern Universities from their foundation.

Unlike those of most other countries, the Universities of the United Kingdom have been, since their origin, independent of State control, although for many years they have been in receipt of State aid.

Up to the year 1913-14 the Board of Education presented to Parliament a Report supplying information in regard to University institutions in England and Wales which were in receipt of grants from the Board. In July 1919, the Chancellor of the Exchequer appointed a Standing Committee "to enquire into the financial needs of University Education in the United Kingdom and to advise the Government as to the application of any grants that may be made by Parliament towards meeting them." Up to the year 1939, this Committee annually published a statistical abstract of student and financial figures relating to

Universities and University Colleges, and reported quinquennially on their financial needs and progress.

On its constitution as the University Grants Committee in July 1919 an amount of £1,000,000 (including Ireland) was made available for distribution to Universities and University Colleges. From that date onwards there were periodic increases in the amount of the grant, which stood at an annual sum of £2,149,000 (excluding Ireland), for the period ending March 31, 1940. The annual grants were maintained unchanged during the War.

Before the end of the War, much consideration was given to the post-war problems which were likely to beset the Universities and Colleges. In the autumn of 1943, the Committee was reconstituted and additional members were appointed. Large increases were made in the financial provision in the Civil Estimate for Universities and University Colleges in 1945 and 1946 (£5,900,000 in 1945-46, £9,450,000 in 1946-47, this sum including a revote of £1,200,000 not spent in the preceding year, and £11,875,000 in 1947-48). Consequently the Committee has been able during these years to distribute largely increased annual grants to the institutions and to embark on a programme of substantial capital grants.

In July 1946 the Chancellor of the Exchequer announced in Parliament new terms of reference for the University Grants Committee, in order that, "in this new phase of rapid expansion and planned development of our universities, the committee should play a more positive and influential part than in the past." The Committee's new terms of reference were as follows:—

"To inquire into the financial needs of university education in Great Britain; to advise the Government as to the application of any grants made by Parliament towards meeting them; to collect, examine, and make available information on matters relating to University education at home and abroad; and to assist, in consultation with the universities and other bodies concerned, the preparation and execution of such plans for the development of the universities as may from time to time be required in order to ensure that they are fully adequate to national needs."

In the year 1947-48 the estimated grants to be paid by the Ministry of Education to the University Training Departments under the Ministry's Regulations for the Training of Teachers, amount to £198,518.

In 1947-48 Local Education Authorities' estimated grants to Universities amount to £661,000 (approx.).

For information regarding scholarships, *see* p. 16.

The academic year is divided into three terms, which run from about October 1 to the middle of December; middle of January to end of March; middle of April to end of June or beginning of July.

The Constitution and certain other characteristics of the Scottish Universities are described on pp. 390-394.

DEGREES CONFERRED BY THE UNIVERSITIES OF GREAT BRITAIN
AND IRELAND

The older Universities have developed out of the Universities of the Middle Ages under the compulsion of internal forces, with very little influence from outside. The historical continuity of their evolution and their individual independence account for certain customs and usages in which they differ one from another and from Universities in other lands. Their titles of degrees afford an illustration of this. A University of the Middle Ages was a Guild of learned men. Teaching was the craft of the Guild, whose fellowship carried with it the right to teach. An admitted aspirant for fellowship was termed a bachelor. The members of the Guild recognized his apprenticeship after submitting him to certain tests or, as we should term them, examinations. After gaining some experience in teaching, and successfully maintaining a thesis in public disputation, the bachelor attained to his degree. Admitted into the Guild, with its *jus ubique docendi*, he was known indifferently as doctor, master or professor. Still following this ancient usage, the degree in Scotland is the mastership, M.A. In Oxford, Cambridge and Dublin, where the examination for the bachelorship grew to be the determining test, the mastership, which carries with it all the privileges of membership of the Guild or Senate, follows without further examination after an interval of two or three years, but in no case less than six years from matriculation. For convenience in standardizing the attainments of their alumni, modern Universities have divided the degree into stages—usually described as the "first" and the "higher" degrees—Bachelorship, Mastership and Doctorate. The conferment of a first degree now marks the satisfactory completion of a three or four years' University course.

At Oxford and Cambridge the Faculty of Arts is not subdivided. B.A. is the "first degree," whether the course leading to it be literary or scientific. At Oxford the B.Litt. and B.Sc. are awarded for special study and research, like the M.Litt. and M.Sc. of Cambridge. At Cambridge there is no B.Litt. or B.Sc. At St. Andrews the B.Phil. or the B.Litt. may be taken either conjointly with or after the M.A. In Trinity College, Dublin, a B.Sc. course, including no classical language, was introduced in 1926, but it is expected that most Science students will continue to take the B.A., which remains the primary degree, and must be obtained before proceeding to any other degree except Mus.B., Mus.D., B.Sc. and Ph.D.

At all other Universities a course in Arts leads to the B.A. (in Scotland, M.A.), in Science to the B.Sc. and similarly to other titles in other departments of knowledge.

Each of the Faculties of Theology, Law, Medicine and Music has its own bachelor's degree (v. *infra*).

The first degree may be obtained in most Faculties either as an ordinary degree or with Honours.

In addition, at all Universities, Diplomas and Certificates are granted in a variety of subjects (*see* the several Universities).

The signatures of the titles of the Degrees conferred in the various Faculties are set forth below—the more usual signature being ordinarily

placed first. Fuller details will be found under the several Universities and in the Introductory Chapter relating to the Scottish Universities.

Faculty of Arts and Cognate Subjects

First Degrees

Bachelor of Arts. B.A. (all Universities except Scottish).

Master of Arts. M.A. (Scottish Universities only).

Administration. B.A. (Admin.) Manchester.

Architecture. B.A. Cambridge; B.Arch. Durham, Liverpool, Wales, N.U.I.; B.A. (Arch.) London; B.A. (Hons. in Architecture) Manchester, Sheffield.

Commerce. B.Com. (in addition, B.Com. with specialisation in Russian Studies, B.Com. (Geography), B.Com. (Social Study) and B.Com. (Social and Political Science) at Birmingham); B.Comm. Dublin, N.U.I.; B.A.Com. Bristol, Manchester.

Economic and Social Studies. B.A. (Econ.) Manchester, Sheffield; B.A. (Hons. in Economics) Birmingham.

Fine Art. B.A. Reading

Literature. B.Litt. St. Andrews. (With or after M.A.)

Philosophy. B.Phil. St. Andrews. (After M.A.)

Theology. B.A. (Theol.) Manchester.

Faculty of Science and Cognate Subjects

First Degrees

Bachelor of Science. B.Sc.

Agriculture. B.Sc. (Agr.) London, Reading, Aberdeen, Edinburgh, Glasgow; B.A. Cambridge; B.Agr. Belfast; Agr.B. Dublin; B.Agr.Sc. N.U.I.

Applied Chemistry. B.Sc. (App. Chem.).

Applied Science. B.Sc. (App. Sc.) (as distinguished from the B.Sc. Pure Science). See also p. 392.

Architecture. B.Sc. (Arch.) Glasgow. See also Arts Degrees.

Dairying. B.Sc. (Dairying) Reading, N.U.I.

Domestic Science. B.Sc. (Dom. Sc.) Bristol.

Economics. B.Sc. (Econ.) London, Belfast.

Engineering. B.Sc., B.Sc. (Eng.); B.A. Cambridge, Oxford; B.Eng. Liverpool, Sheffield; B.Sc.Tech. Manchester; B.A.I. Dublin; B.E. N.U.I.

Estate Management. B.A. Cambridge; B.Sc. (Est. Man.).

Forestry. B.Sc. (For.); Agr. (Forest) B. Dublin.

Horticulture. B.Sc. (Hort.) London, Reading.

Household and Social Science. B.Sc. (H. and S.S.) London (Internal students only).

Industrial Fermentation. B.Sc. Birmingham; B.Sc.Tech. Manchester.

Metallurgy. B.Sc.; B.Eng. Liverpool; B.Sc.Tech. Manchester; B.Met. Sheffield.

Mining Engineering. B.Sc.; B.Eng. Sheffield; B.Sc.Tech. Manchester.

Naval Architecture. B.Sc.; B.Eng. Liverpool.

Oil Engineering and Refining. B.Sc. Birmingham, London.

Technology. B.Sc.Tech. Manchester, Sheffield.

Textile Technology. B.Sc. (Textiles) Leeds; B.Sc.Tech. Manchester; B.Sc. (Text. Tech.) Belfast.

General Honours Degrees in Arts

Birmingham—Honours are awarded in the General B.A. Examination, where sufficient merit is shown

Bristol has abolished the distinction between the Ordinary degree and the degree with Honours. The degree of B.A. is now conferred as a General degree or as a Special degree; Honours may be awarded with either.

Leeds—There are at present no General Honours degree Courses for B.A. with Honours (without division into Classes) in General Studies may be awarded to candidates for Ordinary degree whose performance is of sufficient merit.

Liverpool has abolished the distinction between the Ordinary degree and the degree with Honours. The degree of B.A. is now conferred either as a degree in General Studies or as a degree in Special Studies in one of the Schools of the Faculty. Honours may be awarded in both General and Special Studies.

Manchester—An Honours School of Combined Subjects has been instituted, under which a candidate can offer any *two* of the following: a Language, Ancient or Modern; English; History; Geography; Philosophy; Psychology

Reading—Composite Honours Schools are available in Philosophy and English Literature, Greek and English Literature, Latin and English Literature, Social and Economic Psychology, Social and Economic Philosophy.

Sheffield—Honours are awarded in the General B.A. Examination.

General Honours Degrees in Science

Bristol—An Honours Degree in General Science has been instituted in *either* (a) two main subjects and two subsidiary subjects *or* (b) two main subjects, a subsidiary subject and an intermediate subject *or* (c) three main subjects.

Durham—A General Honours Degree in Science has been instituted, courses being available at King's College, Newcastle upon Tyne.

Leeds—Candidates for the degree of B.Sc. with General Honours attend approved courses for at least 3 yrs. and pass examinations in two subjects at General Honours standard *and* in either (a) one other subject at subsidiary (2 yr.) standard *or* (b) two other subjects at introductory (1 yr.) standard.

Liverpool—General Science is included among the Honours Schools of the Faculty.

London—Honours are awarded in the B.Sc. General Examination.

Manchester—An Honours Degree in General Science may be conferred in any one of the following sections (i.) Chemistry, Physics and Maths., (ii.) (a) Botany, Zoology and Chemistry, (b) Zoology, Botany and Geology; (iii.) Geography and Geology or Botany or Zoology; (iv.) Maths. and Physics with Elem. Botany and Zoology; (v.) Chemistry and Physiology with Elem. Physics and Zoology; (vi.) Anatomy and Physiology.

Reading—Successful candidates in the Final Examination for B.Sc. (General) (three science subjects) may qualify for a degree with Honours (General) in the first or second class. Normally students in the Faculty of Science follow the course for B.Sc. (General) before entering on the course for B.Sc. (Special).

Sheffield—Honours are awarded in the General B.Sc. Examination.

Higher Degrees in the Faculties of Arts, Science and Cognate Subjects

Bachelorships

B.Litt., B.Sc. Awarded at Oxford for special study and research. Students reading for the B.Sc. may change over in the middle of their course to the D.Phil. (*q.v.*), or *vice versa*.

B.Phil. Awarded at Oxford to persons who have kept six terms statutory residence and have satisfied the examiners in an examn. in Philosophy or in Politics or in Economics (which may include a thesis on an approved subject).

B.Litt. Dublin. Obtained by Thesis. Candidates must have at least one year's standing as B.A.

B.Ed.; Ed.B. Scottish Universities. Two years after a first degree.

Masterships

M.A. At Cambridge a Bachelor of Arts may, without further examination, proceed to the M.A. at the close of the 6th yr. after the end of his first term; at Oxford in the twenty-first term after matriculation; at Dublin 3 yrs. after passing the B.A. examination. At Durham a B.A. with 1st or 2nd class hon., or with another degree and the Diploma in Theology of Durham, are admitted to the M.A. without examination if of 3 yrs.' standing from B.A.; other B.A.s must pass the M.A. examination or submit a thesis. At Sheffield the M.A. may be conferred on a B.A. with Honours or a B.Mus. of the University of not less than 1 yr.'s standing who has presented a thesis approved by the Faculty concerned, passed an oral examination and, if required by the Faculty, a written examination in matters relevant to the subject of the thesis; and on other B.A.s of the University and on graduates of other Universities subject to specified conditions. Other Universities exact a further period of study from their own graduates, followed by the presentation of a thesis, or an examination, or both, of 1 yr. at

Birmingham, Leeds, Belfast and the N.U.I., of 1 yr. from graduates with Honours, and 2 yrs. from others, at Manchester and Wales; of 2 yrs. from all graduates at Bristol, Liverpool, London and Reading. Graduates of approved Universities can, under certain conditions, obtain the Mastership after 1 yr. of advanced study and research at N.U.I.; after 2 yrs. at Bristol, Leeds, Liverpool, London, Manchester, Reading and Wales (thesis required) and after 3 yrs. at Sheffield. At London a thesis is required from Internal students in all branches, except English, Oriental Languages, Mathematics and Geography, in which it is optional, and an examination. At Bristol, Leeds, Liverpool and Manchester persons who have not graduated can obtain the M.A. degree after a course of advanced study and research extending, usually, over 3 years.

M.Sc. This degree is not conferred by Oxford or any of the Scottish Universities. At Cambridge the degree is conferred upon students admitted to a course of research extending over not less than 2 yrs. and after submission of a dissertation. At Durham it can be obtained by graduates, B.Sc., of 2 yrs.' standing, after examination or thesis. At Birmingham, Bristol and Leeds, by graduates, B.Sc. with Honours, of 1 yr.'s standing (other Bachelors of any Faculty of 2 yrs.' standing), after research (thesis required). At Liverpool, by graduates, B.Sc., with Honours, after 1 yr.'s higher study; by graduates, Ordinary B.Sc., subject to completing 1 yr.'s study and on passing a prescribed examn., after 1 yr.'s higher study; B.Sc., second year of residence, subject to completing 1 yr.'s study and on passing a prescribed examn., after 2 yrs.' higher study; graduates in other Faculties and graduates of other Univs., after 1-3 yrs.' higher study; non-graduates, suitably qualified, after 3 yrs.' higher study. Theses required in all cases. At London, by Internal students of 1 yr.'s or 2 yrs.', by External students of 2 yrs.' standing from B.Sc., by thesis or written examination. At Manchester, by graduates, B.Sc. of 1 yr.'s standing, after thesis and examination (at the discretion of the Faculty). At Sheffield, by graduates, B.Sc. of the University, who have attended the University for not less than one further year, presented a thesis approved by the Faculty concerned, passed an oral examination and, if required by Faculty, a written examination in matters relevant to the subject of the thesis; it may also be obtained without further residence by graduates, B.Sc. of the University of not less than 2 yrs.' standing, who have presented a thesis approved by the Faculty and passed an oral examination. At Reading, by graduates of the University after 2 yrs.' research and submission of thesis. The M.Sc. Wales may be conferred on a graduate in Science of the University of Wales or of another approved University, 2 yrs. required from a Pass graduate, 1 from an Honours graduate. Graduates of other Universities must pursue a scheme of research in a constituent College of the University for not less than 2 yrs. A thesis is required from all candidates. At all Universities awarding the degree graduates of approved Universities are accepted as candidates. The period of study prescribed is 2 yrs. with the following exceptions—Liverpool 1-3 yrs., Belfast 1-2 yrs. and N.U.I. 1 yr.

Other Titles of Mastership conferred by various Universities

M.A. (Admin.) (Manchester); M.Agr. (Belfast); M.Agr.Sc. (N.U.I.); M.A. (Arch.) (London); M.Arch. (Liverpool, N.U.I.); M.A.I. (Dublin); M.Comm. (N.U.I.); M.Com. (Birmingham, Durham, Leeds, Liverpool, London); M.A. (Com.) (Manchester); M.A. (Econ.) (Manchester); M.Ed. (Durham, Leeds, Manchester); M.Econ.Sc. (N.U.I.); M.Eng. (Liverpool, Sheffield); M.Litt. (Cambridge, Durham); M.Met. (Sheffield); M.Sc. (Agriculture) (Reading); M.Sc. (Dairying) (Reading, N.U.I.); M.Sc. (Econ.) (Belfast); M.Sc. (Horticulture) (Reading); M.Sc.Tech. (Manchester, Sheffield); M.Th. (London).

Doctorates

The Doctorate in Letters or in Science (Litt.D., D.Lit., D.Litt., Sc.D., D.Sc.) is conferred upon Masters of Arts or Science (in certain cases, Bachelors) or Doctors of Philosophy of the University awarding the degree distinguished by their contributions to the advancement of learning or science. The claim to the degree must be based either upon a special thesis, as at London, or upon published works. In certain Universities the Faculty may require the applicant to appear for examination. An applicant for the Doctorate must be of the following standing: Birmingham, 5 yrs. from B.A. or B.Sc., 3 from M.A. or M.Sc.; Bristol, 6 yrs. from B.A., 4 from M.A. or M.Sc., 3 from Ph.D.; Cambridge, 8 yrs. from B.A.; Durham, 10 yrs. from B.A. (D.Litt.), 6 yrs. from B.Sc. or 4 from M.Sc. or Ph.D. (D.Sc.); Leeds, 6 yrs. from B.A. or B.Sc.; Liverpool, 7 yrs. from B.A. (Litt.D.), 6 yrs. from B.Sc. (D.Sc.), 5 yrs. from M.Eng. or Ph.D. Eng. (D.Eng.); London, at any time after obtaining M.A., M.Sc. or Ph.D.; Manchester, at any time after M.A. or Ph.D. (Litt.D.), 4 yrs. from M.Sc., M.Sc.Tech. or Ph.D. (D.Sc.); Oxford, 30 terms from matriculation for M.A.s, names on books of a Society for 20 terms for holders of B.Litt., B.Sc. or Ph.D.; Reading, 6 yrs. from B.A. or B.Sc., 4 from M.A. or M.Sc., 3 from Ph.D.; Sheffield, 5 yrs. from B.A. or B.Sc.; Wales, 10 yrs. from B.A. or B.Sc.; Scottish Univs., 5 yrs. from M.A.; Belfast, 6 yrs. from B.A. (D.Lit.), 3 yrs. from Bachelor's degree in any Faculty (D.Sc.); Dublin, 3 yrs. from B.A. (Litt.D.), 3 yrs. from B.A. or B.Sc. (Sc.D.); N.U.I., 15 terms from B.A. (D.Litt.), 15 terms from Bachelor's degree in any Faculty (D.Sc.).

Certain Universities permit graduates of approved Universities with degrees substantially equivalent to those required from their own graduates to become candidates for doctorates in Letters and Science after a period of research at the University awarding the degree, under the following conditions: Bristol (D.Sc. only), 3 yrs.' research; Manchester (D.Sc. only), 2 yrs.' research, 4 yrs.' standing from first degree; Reading, 4 yrs.' research, 7 yrs.' standing from first degree; Scottish Univs., research during 2 winter sessions, 5 yrs.' standing from first degree; N.U.I., 6 terms' research.

Degrees in the Faculty of Divinity

B.D. After examination in the Scottish Universities and the Universities of London, Manchester and Wales. At Birmingham after attend-

ing a prescribed course of study for not less than two academic sessions at the Univ. ; passing an examination and presentation of a thesis on an approved subject. Candidates should be graduates of Birmingham or of another approved University. After examination (waived in the case of graduates in Theological Studies) and submission of a thesis at Leeds ; graduates of other Universities being required to attend at Leeds courses for 2 yrs. After examination and submission of a thesis at Durham and Dublin. At Cambridge after submission of a dissertation or published works. After examination and the submission of a dissertation and published works at Oxford. At London the course must extend over 3 yrs., subsequent to matriculation. In Scotland a candidate must be M.A. of a Scottish University who has taken a theological course in a specially recognized institution, or a graduate of an approved University who has taken a complete theological course of at least 2 yrs. in the University conferring the degree ; at Dublin a B.A. of 3 yrs.' standing ; at Durham he must be either a Durham graduate of 3 yrs.' standing or a graduate of another University and the holder of the Durham Diploma in Theology ; in Wales, a graduate who, subsequent to graduation, has studied for 3 yrs. at one of the Associated Theological Colleges or Schools of Theology of the University ; at Cambridge, a candidate who is a graduate of the University of not less than 5 yrs.' standing from admission to his first degree ; at Oxford the degree is open to Oxford M.A.s and graduates of other Universities (degree not conferred until they are 26) who have followed a course of study in Christian Theology extending over 6 terms and resided at the University during 6 terms. The B.D. may be taken with Hons. at some Universities.

D.D. In Scotland the degree is conferred *honoris causa tantum*. At London it is conferred upon Bachelors of Divinity who took Honours in at least one subject, on presentation of published work, or of a thesis, followed by an examination if the examiners so desire. At other Universities it is conferred in consideration of published works or a dissertation (and, at Oxford, a *viva voce* examination, if the judges so desire). The requisite standing is, at Cambridge, 3 yrs. from B.D. ; Dublin, 8 yrs. from B.A. ; Durham, 10 yrs. from B.A. ; Manchester, 4 yrs. from B.D. (or 6 yrs. for Bachelors of Divinity of other Universities who have studied for 2 yrs. from Manchester) ; Oxford, 14 yrs. from matriculation, or, if he was admitted to the degree of B.D. as a graduate of another University, the candidate must have attained the age of 33 ; Wales, 6 yrs. from B.D.

Degrees in the Faculty of Law

LL.B. At the Universities of Birmingham, Bristol, Durham, Leeds, Liverpool, London, Manchester, Sheffield, Wales and Belfast the course for the LL.B. extends over 3 yrs. from matriculation (with honours, 4 yrs. in some cases). At Cambridge students who have obtained Honours in Part I. or II. of the Law Tripos are admitted to the LL.B. examination not earlier than the tenth term after their first, and other approved students are also admitted subject to regulations regarding residence and study. At Aberdeen, Edinburgh and Glasgow candidates

must be graduates of approved Universities and pursue a course of study for 3 yrs. At Dublin they must be graduates of Dublin, Cambridge or Oxford and pass two examinations in Law. At N.U.I. they must pursue an approved course of study for at least 2 yrs. subsequent to obtaining the Degree of Bachelor of Arts of the University.

The Universities of Oxford and St. Andrews do not confer the degree of LL.B. and the University of Reading confers no degrees in Law.

B.C.L. (Durham and Oxford). At Durham candidates must be Bachelors of Arts of the University of 2 yrs.' standing. At Oxford they must be graduates and keep residence for 6 terms (Bachelors of Arts of the University, 12 terms from matriculation).

B.L. (Aberdeen, Edinburgh, Glasgow and St. Andrews). Candidates must pass the Preliminary or an equivalent examination and pursue an approved course of study for 3 yrs.

LL.M. Conferred by Birmingham, Bristol, Durham, Leeds, Liverpool, London, Manchester, Sheffield, Wales on graduates of the University and of approved Universities; by Cambridge on LL.B.s of the University of 2 yrs.' standing, by thesis. *Graduates of the University*. At Leeds and Sheffield, on LL.B.s of 1 yr.'s standing, at Durham and Manchester, of 2 yrs.' standing, on presentation of thesis. By examination at Birmingham and Wales after 1 yr.'s study, at London after 1 yr.'s study for Internal students and 2 yrs.' for External. At Liverpool, by graduates, LL.B. with Honours, after 2 yrs.' study; by graduates, Ordinary LL.B., and graduates of other Univs., subject to passing a prescribed examn. or by presenting an approved dissertation, after 2 yrs.' study (non-graduates, approved dissertation, after 3 yrs.' study). *Graduates of approved Universities*: Birmingham, after 1 yr.'s study, by examination; Bristol, Durham, Leeds, Manchester and Wales, after 2 yrs.' study, by thesis; Liverpool, 2 yrs.' study, by examination or thesis; Sheffield, 2 yrs.' study, by examination and thesis; London, 2 yrs.' study, by examination.

LL.D. or D.C.L. (Oxford, Durham). By the Scottish Universities the Doctorate is awarded only *honoris causa tantum*. Other Universities, unless the degree be awarded *honoris causa*, require the submission of a thesis, dissertation or published works, and may require attendance at an examination; in Dublin a candidate may elect to undergo examination in lieu of offering a thesis, etc. The requisite standing for the Doctorate is, at London, any time after the LL.M. or Ph.D.; Manchester, 2 yrs. from LL.M.; Belfast, 3 yrs. from LL.B. if thesis; Dublin, 3 yrs. from B.A. of Dublin, Oxford or Cambridge; Manchester, 4 yrs. from LL.B.; Sheffield, 4 yrs. from LL.B. or Ph.D. in Faculty of Law; N.U.I., 5 yrs. from LL.B.; Birmingham, 5 yrs. from LL.B. or 3 yrs. from LL.M.; Oxford (D.C.L.), 5 yrs. from B.C.L.; Cambridge, 8 yrs. from first Cambridge degree; Bristol, 4 yrs. from LL.M.; Liverpool, 5 yrs. from LL.M.; Leeds, 6 yrs. from LL.B.; Durham (D.C.L.), 10 yrs. from B.A.; Wales, 10 yrs. from graduation or 3 yrs. from LL.M. or 2 yrs. from Ph.D.

Degrees in the Faculties of Medicine and Surgery and Cognate Subjects

M.B., B.M. (Oxford), **Ch.B., B.Chir.** (Cambridge), **B.Ch.** (Oxford, Wales, Belfast, Dublin, N.U.I.), **B.S.** (Durham, London). (Obtainable as an ordinary degree or with Hons.) The regulations for these degrees are practically uniform. Satisfactory attendance is required during at least 5 yrs. at courses of study and hospital practice. Four examinations (in some Universities grouped as three or two) must be passed. All examinations must be passed at the University granting the degree, except at Birmingham, Bristol, Durham, Liverpool, London, Oxford (Senior students), the Scottish Universities and Dublin (for S. African students only), where a candidate may be exempted from the first examination in Chemistry, Physics and Biology if he has passed an equivalent examination elsewhere. At St. Andrews similar exemption may be obtained from the second examination in Anatomy and Physiology. Study in the University for at least 3 yrs. is required (2 yrs., Scottish Universities, Leeds, Manchester), except for External degrees of the University of London, where candidates study for $4\frac{1}{2}$ yrs. (after the First Professional Examination), at any recognized Medical School, 1 yr. of which must be spent in the United Kingdom. The Universities of Oxford and Cambridge exact 3 yrs.' residence, but allow students to do any or all of their clinical work at other recognized medical schools. At Oxford, Dublin, Wales, candidates must graduate B.A. (or B.Sc. Wales) before admission to a medical degree. The B.A.O. and the M.A.O. (Obstetrics) are conferred by Belfast, Dublin and N.U.I. The University of Reading does not confer degrees in Medicine.

M.D. or D.M. (Oxford). Candidates must be Bachelors of Medicine and Surgery of the University of, ordinarily, 2 yrs.' standing (Manchester and Scottish Universities, 1 yr.'s standing; Birmingham, graduates M.B., Ch.B. of 2 yrs.' standing; Liverpool, graduates M.B., Ch.B., by thesis, 2 yrs.' standing; by examn. after 5 yrs. from taking M.B., Ch.B.; Belfast, 3 yrs.' or 2 yrs. from B.A. or B.Sc. with M.B.; Dublin, of M.A. standing; Cambridge, 8 yrs. from admission to first Cambridge degree; Oxford, 10 yrs. from matriculation). A dissertation is compulsory at most Universities, followed by an examination, unless the examiners pronounce the dissertation to be of such merit as to render further examination unnecessary. At Birmingham graduates of other Univs. who have taken at least 3 yrs. of curriculum in Birmingham Med. School, after 2 yrs.' approved postgraduate study; others must have been engaged in approved postgraduate study for 3 yrs.

Ch.M., M.Ch., M.S. (London and Durham), **M.Chir.** (Cambridge). Regulations somewhat similar to those for M.D. At Liverpool, open to (a) graduates in Medicine of Liverpool or an approved Univ. (b) graduates in a Faculty other than Medicine of Liverpool or an approved Univ. who hold a medical qualification registrable in Great Britain. The **M.Ch.(Orth.)** is granted by Liverpool; open to (a) graduates in Medicine of Liverpool or an approved Univ. (b) graduates in a Faculty other than Medicine of Liverpool or an approved Univ., who are Fellows of the R.C.S. of England, Edinburgh Ireland, Australia or Canada, or of the

American College of Surgeons. Attendance at Liverpool of 12 or 15 mths before examination is required. In addition to the M.S. Durham grants a **D.Ch.** open to candidates who subsequent to having obtained a registrable qualification have devoted 3 yrs. (including at least one in the University) to the study of surgery and ancillary subjects.

Degree of **M.Rad.** (in either Radio-diagnosis or in Radiotherapy), Liverpool. Open to (a) graduates in Medicine of Liverpool or an approved Univ.; (b) graduates in a Faculty other than Medicine of Liverpool or an approved Univ who hold in addition an approved higher medical qualification.

Degrees in Dentistry—**B.D.S.**, **B.Ch.D.** (Leeds), **B.Dent.Sc.** (Dublin)—are granted by all Universities except Cambridge, Oxford, Reading, Wales, Aberdeen, Edinburgh and Glasgow (period of study generally about 5 yrs.). Diplomas in Dental Surgery—**L.D.S.**—are awarded by the Universities of Birmingham, Bristol, Durham, Leeds, Liverpool, Manchester, Sheffield, St. Andrews and Belfast (period of study generally 4 yrs.). The degree of Master of Dental Surgery—**M.D.S.**, **M.Ch.D.** (Leeds), **M.Dent.Sc.** (Dublin)—is awarded by all Universities granting a first degree, except London. Candidates must generally be Bachelors of Dental Surgery of 1 to 3 yrs.' standing and must present a thesis and/or undergo an examination. At Leeds, in addition to having been admitted to the degree of Bachelor of Dental Surgery at least 1 yr. previously, candidates must also have obtained a registrable medical qualification. The University of London awards the degree of M.S. in Dental Surgery. In order to be admitted to the examination candidates must first have obtained the degrees of Bachelor of Medicine and Surgery. The University of Manchester confers the degree of **D.D.S.** on graduates in Dental Surgery (or graduates in Medicine and Surgery or in Science, who hold an approved dental qualification) of the University of 2 yrs.' standing, after 2 yrs.' approved study and research and submission of thesis.

Degrees in Pharmacy are conferred by London and Wales (**B.Pharm.**), by Manchester and Glasgow (**B.Sc.** in Pharmacy), by Leeds (**B.Sc.** in Pharmacy and Pharmacology) and by Belfast (**B.Sc.** in Pharmaceutics). The course extends over 3 yrs. except at Glasgow, where it extends over 4 yrs. and leads to an Honours degree.

Degrees in Public Health are conferred by Durham (**B.Hy.** and **D.Hy.**) and by Glasgow and N.U.I. (**B.Sc.** and **D.Sc.** in Public Health). Candidates for the Bachelor's degrees must be graduates in medicine of 2 yrs.' standing; the **D.Hy.** and **D.Sc.** (N.U.I.) are conferred 2 yrs. after the Bachelor's degree and the **D.Sc.** (Glasgow) 5 yrs. after the Bachelor's degree.

Degrees in Veterinary Science are awarded by Liverpool (**B.V.Sc.**, **M.V.Sc.** after 2 yrs.' further study and **D.V.Sc.** 3 yrs. after **M.V.Sc.** for published contributions to science), London (**B.Sc.** in Veterinary Science, **M.Sc.** 1 or 2 yrs. later by examination and **D.Sc.** open to Masters for original contributions to advancement of science) and Edinburgh (**B.Sc.** in Veterinary Science and **D.Sc.** 3 yrs. later by thesis).

Degrees in the Faculty of Music

Mus.B., B.Mus., Mus.Bac. At Birmingham, Cambridge, Leeds, London, Manchester, Wales, Edinburgh, Glasgow, Dublin, and N.U.I. students must pass the same Entrance examination (Matriculation, Previous, or Preliminary) as students in Arts; with, at Birmingham, where the degree is an Honours degree, an examination in theory and in execution. At Durham they are admitted on a *testamur* as Students of Music. At Oxford they must pass Responsions. At Sheffield they must pass the Intermediate Examination for the B.A. degree. In Wales they must attend an intermediate class in Arts or Science in addition to the Music course. Residence is not obligatory at London, Dublin or Durham. At Edinburgh students must study Music in the University for one whole winter session. As a rule, the course extends over 3 yrs. with two, or three, examinations, including an exercise for the Final examination. Honours in this degree are obtainable at Birmingham, Manchester, Edinburgh, Glasgow and Wales.

Mus.M., M.Mus. At Cambridge and Wales conferred on Bachelors of Music (and Bachelors of Arts with Honours in Music at Wales) of the University of ordinarily 2 yrs.' standing after examination and submission of an exercise; at Birmingham on Bachelors of Music of Birmingham and other approved Universities after 1 yr. of approved study or research, examination and submission of 3 original compositions or thesis.

Mus.D., D.Mus., Mus.Doc. Conferred after examination and submission of original composition or thesis on Bachelors of Music of the University—London (2 yrs.' standing), Oxford and Edinburgh (3 yrs.' standing—Oxford also on M.A.s), Manchester (4 yrs.' standing, after 1 yr.'s further study), Birmingham, Durham, Sheffield, Glasgow and N.U.I. (5 yrs.' standing—Birmingham also 3 yrs. from M.Mus.). Cambridge, 8 yrs.' standing from first Cambridge degree, in recognition of distinction as composer. Wales, 10 yrs.' standing or 2 yrs. after M.Mus., on submission of original composition. The doctorate is conferred on graduates of approved Universities by Durham (same conditions as for graduates of the University), Manchester (2 yrs.' study at the University) and Glasgow (3 yrs.' study at the University).

Doctor of Philosophy

In May 1917 representatives of the Universities and University Colleges met in conference to devise measures for the further encouragement of Postgraduate Study and Research. It was resolved that it was desirable that a degree should be instituted carrying the title of Doctor (Ph.D., D.Phil. Oxford), obtainable by graduates of British and foreign Universities after a course of advanced study and research. The conditions and regulations for such a degree were further considered at adjourned meetings held on May 10, 1918, Jan. 24, 1919, and March 14, 1919. All the Universities of the United Kingdom now confer the degree of Philosophiæ Doctor. Candidates entering upon a course of advanced study and research for the Ph.D. must be at least 21 (Birmingham, Bristol, Cambridge, Durham, Liverpool, Oxford, Sheffield, Wales,

Reading, St. Andrews, Dublin—no minimum age) ; must ordinarily be graduates either of the University or of some other approved University; must have pursued their studies at a University or Universities for a period of at least 3 yrs. (Durham—2) ; must produce evidence of fitness for the proposed course of study and research. The course extends over 2 yrs. at most Universities ; at Cambridge, Liverpool, Reading, Sheffield, Aberdeen, Glasgow, St. Andrews and N.U.I., the prescribed course of study is 3 yrs., which may under certain conditions be reduced to 2 yrs. Candidates on completion of research must present thesis and submit to oral examination on thesis. The degree is granted in any faculty in which the University is prepared to receive advanced students.

A candidate for the degree of Ph.D., as an External student of the University of London, must have graduated in the Faculty of Theology, Arts, Laws, Music, Science, Engineering, or Economics in that University not less than 2 academic yrs. previously.

LAMBETH DEGREES

Under the Peter Pence Act (25 Henry VIII. Chapter 21) the Archbishop of Canterbury has power to grant degrees which previous to the Reformation were obtained from Rome. The degrees generally conferred are those of D.D., Mus.Doc. and B.D.

STUDENTS

The number of full-time students in Universities and University Colleges in receipt of Treasury Grant is given by the University Grants Committee for the year 1946-47 as 68,452, including 18,688 women. To these must be added the students of the Irish Universities and of certain schools of the University of London not included in the Returns of the University Grants Committee, making a total of about 77,898. These statistics do not include the students of the institutions, other than Universities and University Colleges, in which professional education of university grade is given in Theology, Teaching, Agriculture, Mining, etc.; nor students reading privately for the External degrees of the University of London, for the Bar, etc. This makes comparison with statistics of other countries difficult, as does also the fact that the work of the higher forms of many of our secondary and public schools corresponds with the earlier stages of the work done in Colleges and collegiate departments of some foreign Universities, *e.g.* in America.

For information regarding admission as an undergraduate from home and abroad and school examinations, *see* Appendix I. For recognition of study at other Universities—(a) as undergraduates, *see* Appendix I.; (b) as graduates, *see under* the several Universities and Appendix I. For fees and other charges, *see under* the several Universities.

SCHOLARSHIPS

Few countries offer a richer variety than Great Britain of facilities for access to the highest forms of education. The lead of the "pious founder" has been followed by City companies and pro-

fessional bodies, and, since the Education Act of 1902 brought higher education within the purview of Local Authorities, by the State. The response to the principle which found expression in the words of Mr. Fisher's Education Act of 1918, that "children and young persons should not be debarred by inability to pay fees from receiving the benefits of any form of education by which they are capable of profiting," has been so remarkable that L.E.A.s are now assisting more students to take courses at Universities than they were helping to obtain Secondary education before the Act of 1902 was passed. The number of scholarships available and their variety, as regards conditions of tenure, put any attempt to give a comprehensive list out of the question. Those in search of assistance should apply for their Local Education Authority's Scholarship Handbook.* The main agencies in England and Wales by which scholars are assisted to attend Universities are as follows (awards from public funds are classified in the order of the probable number given annually): (i.) *Local Education Authorities*. The majority of awards are given to candidates who have done good work in College Scholarship and the Higher School Certificate Examinations, though some Authorities hold examinations of their own or grant assistance upon a consideration of school records. (ii.) "*Open*" *Scholarships awarded by Universities, Colleges of Universities or University Colleges*. A brief note of scholarships open to graduates will be found in the general information regarding each University. No particulars are readily available to show the total number of entrance scholarships and exhibitions awarded annually. (iii.) *University Supplemental Awards*. These Awards, which were introduced by the Ministry in 1946, bring the total funds available to the holder of an open University Scholarship or Exhibition up to the level of the funds available to a State Scholar. Some 1200 University Scholarships or Exhibitions, which satisfy the requirements of open competition, level of attainment and titular value, qualify for supplementation by the Ministry; not all these awards are made in any one year. (iv.) *State Scholarships*. These Scholarships are awarded annually by the Ministry of Education to boys and girls in full-time attendance at Secondary Schools, on the recommendations of the Bodies that conduct the Higher Certificate Examinations. Since 1946, the maintenance grant payable to State Scholars from the Ministry, which was formerly limited to £100, is assessed, subject to financial circumstances, to cover the whole cost of maintenance during the academic year. Grants towards the cost of maintenance during vacations may be made in cases of real need. In 1947, the number of State Scholarships offered was increased from 360 to 750. (v.) *Technical State Scholarships and Mature State Scholarships*. These two new types of award were introduced by the Ministry of Education in 1947. They assist students who have taken full-time and

* Some of the Scholarship Handbooks, e.g. that published by the London County Council (P. S. King & Son, Ltd., 14 Gt. Smith St., Westminster, S.W.1, price 3d.), include a great deal of information in regard to general sources of assistance open to the whole country, as well as that available for persons resident in a particular area.

part-time courses in establishments of further education to follow a degree course. 100 Technical Scholarships were approved in 1947; they are assessed on the same lines as the State Scholarships. 20 Mature Scholarships were offered; these are awarded to older students and are, therefore, assessed on rather more generous lines. (vi.) *Science Awards and Art Awards*. The Science Awards are made on the result of a special examination conducted by the Ministry of Education and are tenable at the Imperial College of Science and Technology. The Art Awards are offered on the results of the entrance examination to the Royal College of Art. (vii.) *Charities and Trusts unattached to Schools, but with power to offer Exhibitions under their Instruments of Government*. The number of educational charities in the country is extremely large. Information about the scholarships available in any particular area can usually be obtained by application to the L.E.A., and particulars will be found in the Annual Register and Digest. The exhibitions offered from these sources usually supplement other awards. Whitworth Scholarships for Engineering students are administered by the Ministry of Education.

In Ireland conditions are similar. For Scholarships in Scotland, see P. 393.

ADULT EDUCATION

University Extension Courses have been promoted by the Universities of Cambridge, Oxford and London for the last 60 years. At Cambridge they were known as local lectures and were initiated in 1873. Oxford and London took up the work soon afterwards, and since then the other Universities and University Colleges have followed suit. These courses number several hundreds and vary in length from 6 to 25 lectures. In 1926 the Universities Extra-mural Consultative Committee was established to consider, especially from the point of view of administration, the many aspects of extra-mural work now undertaken by the Universities, and to contribute towards the formation of a common policy. Each University and independent University College of England and Wales is represented by one member, generally the chief executive officer of the Extra-mural Department, and certain persons are co-opted. An Annual Report is printed giving a tabular statement of University Extension Courses and other activities of University Extra-mural Departments.

In 1903 *The Workers' Educational Association* was founded. In 1907 relations were established with Oxford University. Since that date relations have been established with all the Universities and University Colleges, and there are joint committees composed of representatives of the University or College and the W.E.A., which promote Three-Year Tutorial Classes, Advanced Tutorial Classes, Vacation Courses, etc. Most of these classes and courses are recognized by the Ministry of Education for purposes of grant under the Further Education Grant Regulations, 1946.

The *National Foundation for Adult Education*, 79 Wimpole Street, London, W.1., Tel.: WE1.beck 3177 (Secy.: E. M. Hutchinson, M.A.), is defined by its constitution as a Central Body for Adult Education in

which all substantial interests are nationally focussed. It is an independent and consultative body, established to advise on the liberal education of adults and to promote understanding between bodies engaged in adult education with a view to their co-operation wherever possible on matters of common interest. It convenes an annual conference and brings together the associated bodies on the council not less than twice a year. While it is not a "providing" body, the Foundation encourages enquiry and experiment in adult education and publishes or encourages publication of results. A quarterly bulletin and periodical supplements are issued under the title *Foundation Papers*. The Foundation serves as a centre of information in regard to all aspects of adult educational work and may undertake such other functions as its council may, with the consent of the associated bodies, determine.

Membership is confined to corporate bodies, including providing bodies in receipt of grants from the Ministry of Education, national bodies directly providing an adult education service but not in receipt of grants for this work from the Ministry of Education, and such national bodies associated with adult education work, but not covered by the previous definitions, as the council of the Foundation may determine. The bodies eligible for corporate membership are thus the Universities and University Colleges, the Local Education Authorities and a wide range of voluntary agencies.

The *British Institute of Adult Education*, 29 Tavistock Square, London, W.C.1, is an association of individuals concerned with or interested in the problems of adult education. It numbers among its members tutors and administrators from the Universities, the voluntary agencies, the Local Education Authorities and from industry. Its work includes the promotion and undertaking of research into the problems of the history, principles, technique and organization of adult education; the carrying out of pioneer experiment in method, etc.; the collection and distribution of information on all matters relevant to adult education; the publication of material relevant to its field; and the organization of conferences and meetings to promote discussion, facilitate the exchange of experience and focus public attention on the problems of adult education. At these conferences are represented Local Education Authorities, Universities, Voluntary Associations and the Ministry of Education.

Publications. *Adult Education*—a quarterly review of adult education in England (issued Sept., Dec., March and June, 6s. 6d. p.a. post free). *Life and Leisure Pamphlets*, 6d. each, still available: 2. The Sociological Background of Adult Education in Rural Districts; 7. Education for an Age of Plenty; 9. Newbattle Abbey College and what it is accomplishing. *The Historian's Scrapbook*, 3s. 6d.

Exhibitions. One of the most successful experiments has been the "Art for the People" scheme planned to give the smaller towns and villages an opportunity of seeing travelling art exhibitions. The themes dealt with have included design, needlework, typography and architecture. The Institute has also a large collection of first-class repro-

ductions which are circulated to educational bodies, factories, training colleges, etc.

COMMITTEE OF VICE-CHANCELLORS AND PRINCIPALS

In May 1918 Mr. Balfour summoned at the Foreign Office a Conference of representatives of all the Universities for the purpose of putting before them a proposal that on the invitation of the Government of the United States a Universities' Mission should be sent to America. At this meeting Mr. Balfour took the opportunity of pressing upon the Universities the desirability of establishing a representative body to which matters of interest to the Universities might be referred by Government Departments. He urged the necessity of the creation of "an organ of expression" which would voice the desires and aspirations of the British Universities and represent them in their relations with the Universities of other nations. At a subsequent meeting the Conference resolved that "it is desirable in the interests of the Universities and of the nation that steps be taken to promote co-operation and mutual consultation among the Universities of Great Britain and Ireland, and, further, that the Vice-Chancellor or Principal of each University or a deputy appointed by him, together with the Executive Committee of the Universities Bureau, be appointed a 'Standing Committee' to consider any matters of common interest arising out of the proceedings of this Conference or submitted to it by the Government, and to report from time to time to the Conference."

The Standing Committee of Vice-Chancellors dealt with a number of subjects of common interest to the Universities, which are mentioned in previous issues of the *Yearbook*.

In 1929 the Standing Committee of Vice-Chancellors was dissolved and a Consultative Committee of Vice-Chancellors and Principals was established in its place, the members of which are appointed by the several Universities and by one of the five University Colleges in rotation. The deliberations of this Committee now cover all subjects of common interest to Universities. Conferences of the Home Universities were held in Sept. 1946 and in Sept. 1947.

The Universities Bureau acts as the Secretariat of the Committee of Vice-Chancellors and Principals.

The subjects discussed by the Committee during the year 1946-47 are to be found in the Annual Report of the Executive Council of the Universities Bureau.

PARLIAMENTARY REPRESENTATIVES OF UNIVERSITIES

Oxford	.	.	.	Sir A. P. Herbert, M.A.; Rt. Hon. Sir J. Arthur Salter, G.B.E., K.C.B., M.A., D.C.L., I.L.D., Com. I.ég. d'H.
Cambridge	.	.	.	K. W. M. Pickthorn, M.A., Litt.D.; H. W. Harris, M.A.
London	.	.	.	Sir Ernest G. G. Graham-Little, B.A., M.D., F.R.C.P.

Birmingham, Bristol, Durham,	}	Kenneth M. Lindsay, H. G. Strauss, M.A., K.C
Leeds, Liverpool, Manchester,		
Sheffield, Reading		
Wales . . . . .	.	Prof. W. J. Gruffydd, M.A.
Scottish Universities . . . . .	.	Sir John Graham Kerr, M.A., LL.D., F.R.S.; Rt. Hon. Sir John Ander- son, G.C.B., G.C.S.I., G.C.I.E., M.A., B.Sc., LL.D., F.R.S.; Rt. Hon. Walter Elliot, M.C., M.B., Ch.B., D.Sc., LL.D., F.R.S., F.R.C.P.
Belfast . . . . .	.	In the Parliament of the United King- dom—Emeritus Prof. D. L. Savory, M.A.
		In the Parliament of Northern Ireland —Mrs. L. I. M. Calvert, B.A.; F. McSorley, M.D., F.R.C.P.I.; H. Quin, B.L.; Howard Stevenson, M.B., F.R.C.S.I.

UNIVERSITY OF BIRMINGHAM

Founded 1900

VISITOR—H.M. THE KING.

CHANCELLOR—The Rt. Hon ANTHONY EDEN, P.C., M.C., D.C.L., LL.D.

PRO-CHANCELLOR—SYDNEY VERNON, LL.M.

DEPUTY PRO-CHANCELLOR—Alderman W. BYNG KENRICK.

TREASURER—W. H. NEWTON, M.A.

VICE-CHANCELLOR AND PRINCIPAL—R. E. PRIESTLEY, M.C., M.A. Camb. and Birm., D.Sc. Melb., Hon. LL.D. St. And.

VICE-PRINCIPAL—Sir W. NORMAN HAWORTH, D.Sc. Manc., Ph.D. Göttingen, Hon. Sc.D. Camb., Hon. D.Sc. Belf., Zürich and Oslo, Hon. LL.D. Manc., M.Sc., F.R.S.

REGISTRAR—GEORGE GRANT, B.A. Liv., M.A.

SECRETARY—C. G. BURTON, M.Com., F.C.I.S.

LIBRARIAN—W. BONSER, B.A., Ph.D. Lond., F.L.A.

SENIOR WOMAN TUTOR—NANCY A. MACFARLANE, M.A. Ox.

Telephone: Registrar—Birmingham, Selly Oak 1181-6.

Secretary—Birmingham, Central 8541-4.

TEACHING STAFF

Accounting and Administration

Cousins, D., B.Com. Prof.

Newman, E. J., B.A. Camb. Lectr.

Anatomy and Physiology

Zuckerman, S., C.B., D.Sc.Lond.,

M.A. Ox., M.D., F.R.S.(Anat.)

Prof.

Gilding, H. P., M.A., B.M., B.Ch.

Ox., M.D. (Physiol.) Prof.

Smout, C. F. V., M.D., Ch.B.

(Anat.) Asst. Prof.

Thorpe, W. V., M.A. Camb., Ph.D.

Lond. (Chem. Physiol.)

Reader.

Fansley, Katherine, D.Sc. Lond.

(Spl. Senses) Reader.

Lecturers

Brandt, C. J. O. W., M.D. Wurzburg, Ph.D. (Anat.).

Reagan, F. P., B.A. Indiana, Ph.D. Princet. (Anat.).

Krohn, P. L., B.A., B.M., B.Ch. Ox. (Anat.).

Thomson, A. P. D., M.B.E., B.Sc., M.B., Ch.B. Glas. (Anat.).

Eckstein, F. M. P., M.A., M.B., B.Ch. Camb. (Anat.).

Green, S. H., M.B., Ch.B. (Anat.).

Wajda, S. H., D.Phil. Cracow (Anat.).

Barclay, J. A., M.A., B.Sc., M.B., Ch.B. Aberd. (Physiol.).

Meyerstein, W., M.D. Munich (Physiol.).

Nutt, Marjorie E., B.Sc. Lond., Ph.D. (Physiol.).

White, C., M.Sc., M.B., B.S. Syd. (Physiol.).

Whitfield, I. C., Ph.D., B.Sc. Lond. (Physiol.).

Darke, Sylvia I., B.Sc. Lond.
(Physiol.).

Hall, Kathleen, Ph.D. Wales
(Histol.).

Bray, H. G., Ph.D., B.Sc. (Bio-
chem.).

James, Sybil P., Ph.D., B.Sc.
(Biochem.).

Tutors

Gaddie, R., B.Sc. Edin., Ph.D.
(Biochem.).

Parsons, G. G., M.A., M.D. Camb.,
F.R.C.P. (Appld. Physiol.)
(Pt.-time).

St. Johnston, C. R., M.D. (Appld.
Physiol.) (Pt.-time).

Armitage, G. H., M.D. Edin.
(Appld. Physiol.) (Pt.-time)

Thomas, G., M.Sc. (Clin. Bio-
chem.) Hon. Lectr. & Tutor.

Asst. Lecturers

Mynors, J. M., M.B., Ch.B. (Anat.)

Lake, H. J., M.Sc. (Biochem.).

Britt, R. G. (Radiol. Anat.).

4 Temp. Asst. Lectrs.

Brailsford, J. F., M.D., Ch.B.,
Ph.D., F.R.C.P. (Radiological
Studies in Living Anat.)

Hon. Director

Boscott, R. J., Ph.C. Paris (Endo-
crinol.) Research Biochemist.

Ancient History and Archæology

Tritsch, F. J., D.Phil. Heidelberg
Reader.

Dauncey, K. D. M., M.A. Camb.
Lectr.

Art (Fine Arts)

Bodkin, T., D.Litt. N.U.I., Litt.D.
Dub., M.A., Chev. Lég. d'H.

Barber Prof.

Sewter, A. C., B.Sc. (Econ.) Lond.
Hon. Lectr.

Biochemistry, v. Physiol.

Botany

Stiles, W., Sc.D. Camb., M.Sc.,
F.L.S., F.R.S. Mason Prof.

Rees, W. J., B.Sc., Ph.D. Lectr.

Skelding, A. D., B.Sc. Lond.

Lectr.

Hickman, C. J., M.Sc., Ph.D.
Lectr.

Twyman, E. S., M.Sc., Ph.D.
Lectr.

Gregg, Mary, B.Sc. Asst Lectr.

*Brewing, etc., v. Malting and
Brewing*

Chemistry

Haworth, Sir W. Norman, D.Sc.
Manc., Ph.D. Göttingen, Hon.
Sc.D. Camb., Hon. D.Sc.
Belf., Zürich and Oslo, M.Sc.,
Hon LL.D. Manc., F.R.S.

Mason Prof. and Direc-
tor of Dept.

Stacey, M., D.Sc. Prof.

Peat, S., B.Sc. Durh., D.Sc. Reader.

Senior Lecturers

Bircumshaw, L. L., M.A. Camb.,
D.Sc. Lond.

Carter, S. R., D.Sc.

Pinkard, F. W., M.Sc. Wales.

Lecturers

Bourne, E. J., Ph.D.

Gilbert, G. A., M.A., Ph.D. Camb.

Randles, J. F. B., M.A. Camb.,
B.Sc. Lond.

Sheridan, J., M.A., D.Phil. Ox.

Small, R. W. H., B.Sc. Lond.,
Ph.D.

Chambers, W. T., Ph.D.

I.C.I. Research Fellow

Tranter, T. C., Ph.D.

Assistant Lecturers

Kent, P. W., Ph.D.

Newth, F. H., Ph.D.

Thomas, L. F., B.Sc.

Webb, M., Ph.D.

Whelan, W. J., B.Sc.

Classics

Thomson, J. Oliver, O.B.E., M.A.
Birm. and Aberd., B.A. Camb.

(Latin) Prof.

Thomson, G., M.A. Birm. and
Camb. (Greek) Prof.

Willetts, R. F., M.A. (Gk.) Lectr.
 Malcolm, D. A., B.A. (Lat.) Lectr.
 Hooker, G. T. W., M.C., M.A.
 London. (Gk. and Lat.) Lectr.
 Hooker, Edna M., M.A. Lond. (Gk.
 and Lat.) Lectr

Commerce, v also Acc., Econ.
 and Fin., Econ. Hist.

Florence, P. Sargent, M.A. Camb..
 Ph.D. Columb., M.Com. Prof.

Picton, J. G., M.Com. (Indust.
 Econ.) Lectr.

Commercial Law [Prof.

Goitein, H., LL.D. Lond., M.Com.

Dentistry, v. *infra*

Economics and Finance

Walker, G., D.Litt., M.A. Ox.
 Prof.

Shenfield, A. A., M.A., M.Com.
 (Pt-time) Lectr.
 (Econ.) Asst. Lectr.

Economic History

Court, W. H. B., M.A. Camb. and
 Harvard Prof.

Wightman, D. R., B.Sc. Lond.
 Asst. Lectr.

*Economics and Institutions of
 the U.S.S.R.*

Baykov, A., Ph.D. Reader.
 Koutaissoff, Elisabeth, L. ès Ss.
 Lausanne, B.Litt. Ox. (Rus-
 sian Lang.) Asst. Lectr.

Education

Jeffreys, M. V. C., M.A. Ox.
 Prof. and Director of
 Univ. Inst. of Educ.

Schonell, F. J., Ph.D., D.Lit.
 Lond., F.B.P.S.

Prof. and Hd. of Educ.
 Dept.

Lecturers

Alexander, Margery B.
 Austin, Frances M., M.Sc.
 Barker, N. Rosalind, B.A.
 Barnett, Nora M., B.A. Lond.
 Brearley, Margaret.
 Cheetham, Grace, B.Sc. Wales.

Crofton, K.

Croll, Jeane M

Cull, E. C., B.Sc. Lond.

David, Ethel, M.A. Camb., M.A.
 (Education).

Flood, W. E., M.A. Camb.

Hobling, Margaret S., M.A. Ox

James, B. C. L., M.A. Ox.

Law, Elizabeth, B.A. Manc.

Macfarlane, Nancy A., M.A. Ox

Nash, Estelle N., B.A. Ox., M.Ed.
 Durb

Pearson, Nina, B.Mus.

Philip, Lucy.

Sparrow, W. J., B.Sc., M.A. (Ed.).

Sturt, Mary, M.A. Ox., Ph.D.

Sutherland, Mrs. Elizabeth, Dip.
 in Theory and Pract. of Phys.
 Ed. Lond.

Thorburn, A., M.A. Edin.

Tubbs, A. E., B.Sc. (Econ.).

Van Hagan, June I

Wall, W. D., B.A. Lond.

Medical Officer

Bolton, R. H., B.A. Ox., B.M.,
 B.Ch. Ox.

Engineering, Chemical

Garner, F. H., O.B.E., Ph.D.,
 F.R.I.C.,

Prof. and Director of Dept.
 Ward, S. G., M.Sc., Ph.D., D.I.C.
 Prof.

Lecturers

Green, S. J., Ph.D.

Ellis, S. R. M., M.Sc. N.Z.

Long, R., Ph.D. Leeds.

Hall, R. T. W., B.Sc. Asst. Lectr.

Porter, C. R. I.C.I. Res. Fellow.

Engineering, Civil

Batho, C., B.Eng. Liv., D.Sc.
 McGill, M.Sc. Beale Prof.

Lecturers

Panton, R. C., M.A., M.A.I. Dub.,
 M.Sc.

Coultas, H. W., B.Sc. Leeds, M.Sc.

Veal, T. H. P., B.Sc. Brist.

Francis, A. J., M.Sc.

Gregory, H. R., B.Sc.

Engineering, Electrical

Tustin, A., M.Sc. Durh. Prof.
 Huxley, L. G. H., M.A., D.Phil.
 Ox., F.Inst.P. (Electro Mag-
 netism) Reader.

Lecturers

Jarvis, A. P., M.Sc.
 Foster, H. G., B.Sc. Lond.
 Hudson, J., M.Eng. Liv.
 Layton, J. M., B.Sc. Lond.
 Ward, E. E., B.Sc.

Engineering, Mechanical

Mucklow, G. F., D.Sc. Manc.,
 M.Sc. Chance Prof.

Lecturers

Ellis, S. J., M.Sc.
 Sandifer, D. A. N., B.Sc. Lond.,
 M.Sc., D.I.C.
 Bannister, F. K., B.Sc. Lond. and
 Leeds, Ph.D.
 Linning, W. A., B.Sc. Glas.
 Nuttall, H., B.Sc. Manc.
 Wilson, A. J., B.Sc.
 Mitchell, R. W. Stuart.
 Cole, B. N., B.Sc. Lond., Ph.D.
 I.C.I. Res. Fellow.

*Engineering, Principles of Pro-
duction*

Matthew, T. U., B.Sc. Lond., Ph.D.
 Camb. Prof.

English

Nicoll, A., M.A. Glas.
 Head of Dept. and Prof.
 Ross, A. S. C., M.A. Ox. (English
 Lang.) Prof.

Lecturers

Macfarlane, Nancy A., M.A. Ox.
 Shapiro, I. A., M.A.
 Duncan-Jones, Elsie, M.A. Camb.
 Smith, H. A., Ph.D.
 Galway, Margaret, M.A. Belf.
 Law, Elizabeth, B.A. Manc.

Asst. Lecturers

Edwards, P. W., B.A.
 Reynolds, E., Ph.D. Camb.
 Foerster, D. M., Ph.D. Yale.

*Fine Arts, v. Art**French*

Mackenzie, F., M.A. N.Z. and
 Birm., D. ès L. Paris Prof.

Lecturers

Tait, Elizabeth W., M.A. Edin.
 Knight, R. C., M.A. Ox.
 Milner, J. M., M.A. Leeds.
 Barker, N. Rosalind, B.A.
 Wood, J. S., M.A. Lond., D. de
 l'Univ. de Paris.
 Tillett, Margaret G., M.A. Reading
 Asst. Lectr.

Assts. in Colloquial French

Bee, M.
 Veyrinas, M.
 Thorez, Mlle.

Geography

Kinvig, R. H., M.A. Liv. Reader.
 Thorpe, H., M.A., M.Litt. Durh.
 Lectr.

Assistant Lecturers

Johnson, B. L. C., B.A. Lond.
 Seward, Beatrice, B.Sc. Reading.
 Wise, M. J., M.C., B.A.
 Warwick, G. T., M.B.E., B.Sc.
 Bristol

Geology and Mineralogy

Wills, L. J., Sc.D. Camb., Ph.D.,
 F.G.S. Prof.

Lecturers

Hardie, W. G., B.Sc. Lond.,
 F.G.S.
 Lacy, E. D., B.Sc. Lond.
 Pallister, J. W., B.Sc. Durh.
 Whittington, H. B., B.Sc., Ph.D.,
 F.G.S.
 Robson, D. A., M.Sc. Durh.
 Asst. Lectr.

German

Pascal, R., M.A. Camb. and Birm.
 Prof.
 Thorburn, A., M.A. Edin. Lectr.
 Thomas, R. H., M.A. Camb.
 Lectr.
 Braun, F., Ph.D. Jena
 Temp. Lectr.

Lockwood, W. B., B.A. Manc.,
M.A. Bristol Asst. Lectr.
Horne, J., Ph D. Vienna

Asst. Lectr.

Hayes, F. C. Asst Lectr.

History, v. also Econ Hist.

Hawgood, J. A., M.A., D.Litt.
Lond., Ph.D. Heid., M.Com.

(Modern History and
Government) Prof.

Cronne, H. A., M.A. Ox and Birm.
(Mediaeval History) Prof.

Lecturers

James, B. C. L., M.A. Ox

Stephens, J. S., M.A. Camb.

Styles, P., M.A. Ox.

Templeman, G., M.A. Lond., B.A.

Archer, Margaret, M.A. Liv.,
B.Litt. Ox.

Ransome, Mary, M.A. Camb.

Hilton, R. H., B.A., D Phil. Ox.

Nash, Estelle N., B.A. Ox, M.Ed.
Durh.

Hardy, S. M., M.A. Camb., Ph.D.
Lond.

Italian

Whitfield, J. H., M.A. Ox. and
Birm. Serena Prof.

Jurisprudence, v. Law

Law

Smalley-Baker, C. E., M.A. Ox.
and Birm., LL.B. Harvard

Barber Prof.

Phillips, O. H., M.A. Ox. and
Birm.

(Jurisprudence) Barber Prof.

Hargreaves, A. D., M.A., LL.B.
Camb. Reader.

Grove, G. A., LL.M. Reader.
Comm. W. C., J.P.

(Legal Ethics) Hon. Reader.

Parker, C. F., M.A., LL.B. Camb.
Lectr.

Bate, S. H., LL.B.

Lectr. and Tutor.

Saxby, C. O., B.A. Ox., F.C.A.
(Trust Accounts, etc.) Lectr.

Linguistics

Bachtin, N., Ph D Camb, L. ès L.
Paris Lectr.

Maltng and Brewing and Industrial Fermentation Processes

Hopkins, R. H., D Sc, F R I C

Adrian Brown Prof.

Norris, F. W., Ph.D. Lond., D.Sc.,
F.R.I.C. Lectr.

Rainbow, C., Ph D. Lectr.

Kulka, D., Ph.D. Vienna Lectr.

Mathematics, Pure

Watson, G. N., Sc.D. Camb. and
Dub., D.Sc. Lond., LL.D.

Edin., M.Sc., F.R.S., F.R.A.S.

Mason Prof.

Lecturers

Colomb, Ruby E., M.A. Lond.

Calderwood, Nora I., M.A., B.Sc.,
Ph.D. Edin.

Kuttner, B., M.A., Ph.D. Camb.

Wardle, K. L., M.A. Camb.

Mathematical Physics

Peierls, R. E., C.B.E., M.A. Camb.,
D.Phil. Leipzig, D.Sc. Manc.,

M.Sc., F.R.S. Prof.

Lecturers

Irving, J., M.A. Glas.

Kynch, G. J., Ph.D. Lond.

Preston, M. A., M.A. Tor.
Asst. Lectr.

Research Fellows

Ferretti, B., D.Phys. Bologna,
Lib.Doc. Rome.

Jahn, H. A., M.Sc. Lond., D.Phil.
Leipzig.

Krook, M., B.Sc. Witw., Ph.D.
Camb.

Skyrme, T. H. R., B.A. Camb.

Bleuler, R., D.Math. Zürich
I.C.I. Res. Fellow.

Medicine, v. *infra*

Metallurgy

Hanson, D., D.Sc. Liv., M.Sc.

Feeney Prof. and Director
of the Department.

Aitchison, Leslie, D.Met. Sheff.,
B.Sc. Lond., M.Sc., F.R.I.C.
(Industrial Metallurgy)
Prof.

Raynor, G. V., D Phil., M.A. Ox.,
B.Sc. (Theoretical Met)
Reader.

Lecturers (Metallurgy)

Wright, T, Ph.D. Sheff, M.Sc.
Cottrell, A. H., Ph.D., B.Sc.
Hall, W. H., B.A. Camb.
Harper, S., B.Sc

Lecturers (Industrial Metallurgy)

Singer, A. R. E., Ph.D., B.Sc.
Kondic, V., Ph.D., B.Sc.
Pell-Walpole, W. T, Ph.D., D.Sc.
I.C.I. Res. Fellow.
Wakeman, D. W., B.Sc.
William Gibbins Res. Fellow.
Bilby, B. A., B.A. Camb. (Theoretical Metall.) Res. Fellow.
Rostoker, W., M.A.Sc. Tor. (Indust. Metall.) Res. Fellow.

Mining (Coal and Metal)

..... Prof.
Hancock, W., M.Sc., Ph.D., F.G.S.
(Mine Rescue) Lectr. and Demr.
Graham, J. K. L.
(Metal M.) Lectr.
Adams, P. L., B.Sc.
(Coal Mining) Lectr.
Burrows, B. B. B., B.Sc.
(Mine Surveying and Mining) Lectr.
Killeen, J. F., B.Sc. Wales Lectr.

Music

Lewis, A. C., M.A. Camb. and Birm., Mus.B. Camb.
Peyton and Barber Prof.
Pearson, Nina, B.Mus. Lectr.
Parrott, H. I., M.A., D.Mus. Ox.
Lectr.
Jones, Hannah D., B.Mus. Lond.
and Wales Asst. Lectr.

Philosophy, Mental and Moral

Russell, L. J., B.Sc., D.Phil. Glas.,
M.A. Prof.
Duncan-Jones, A. E., M.A. Camb.,
Ph.D. Lectr.
Whiteley, C. H., M.A. Ox. Lectr.
McCracken, D. J., M.A. Ox. and Belf., Ph.D. Belf. Lectr.

Physics

Oliphant, M. L. E., B.Sc. Adel.,
Ph.D. Camb, Hon. LL.D.
St. And., Hon. D.Sc. Melb.,
M.Sc., F.R.S.
Poynting Prof. and Director
of Dept.
Moon, P. B., M.A., Ph.D. Camb.,
M.Sc., F.R.S (Physics) Prof.
Sayers, J., M.Sc. Belf. and Birm.,
Ph.D. Camb.
(Electron Physics) Prof.

Lecturers

IBBS, T. L., D.Sc., F.Inst.P.
Dee, A. A., B.Sc Lond., D.I.C.
Lond.
Johnson, M. C., M.A. Camb., D.Sc.,
F.R.A.S.
MacFadyen, K. A., M.Sc. Lond.,
F.Inst.P.
Knight, R. H., M.Sc
Heath, J. C., B.Sc Lond.
Millest, Dorothy M., B.Sc. Lond.,
Ph.D. Lond.
Fremlin, J. H., Ph.D
Asst. Lecturers
Marshall, D. G., B.Sc.
Ramm, C. A., M.Sc. W. Aust.
Walker, J., B.Sc.
Wilson, R. S., Ph.D. Liv.

Physiology, v. Anatomy and Physiology, *supra*

Slavonic Studies

Arian, Inna, Ph.D. Prague
(Russian) Asst. Lectr.
von Reybekiel, Helena, Phil.D.
Zürich (Polish) Lectr.

Social Study

Hawgood, Prof. J. A., M.A.,
D Litt. Lond., Ph D Heidel-
berg, M Com.

Chairman, Soc. Study Cttee.
Lewis, Mrs. Barbara E., B.A.

Lectr.
Cavenagh, Mrs. W. E., B Sc.
(Econ.), D.P.A Lond
(Practical Work) Asst Lectr.
and Tutor.

Salzberger, Frenzsiska R
Pt-Time Asst Lectr.

Spanish

Manson, J., Ph.D. Edin Lectr.
Molna, D. Marin, B.A. Lond.

Asst. Lectr.
Atkinson, Dorothy M., B.A. Sheff.
Asst. Lectr.

Gibbs, J., B.A., B.Litt. Ox
Asst. Lectr.

Theology

Sparks, Rev. H. F. D., M.A. Ox.
and Birm. Prof.

Recognized Lectrs.

Howard, Rev. W. F., D.D.
Cobham, Rev. J. O., M.A.
Robinson, Rev. W., D.D.
Anderson, Rev. G., M.A.
Curtis, Rev. A. H., M.A., B.D.
Davis, Rev. H. F., D.D.
Fuller, Rev. R. H., M.A.
Hanson, Rev. R. P. C., M.A.
Herbert, Rev. A. S., M.A.
Watson, Rev. P., M.A.

Zoology and Comp. Anatomy

Medawar, P. B., M.A. Ox.
Mason Prof.

Edney, E. B., Ph.D. Lond., B.Sc.
S.A., D.I.C Lectr.
Roberts, J. I., D.Sc. Wales Lectr.
Waring, H., D.Sc. Aberd., M.Sc.
Liv. Lectr.

Assistant Lecturers

Hill, Marjorie A., B.Sc. Lond.
Finlayson, L. H., B.Sc. Glas.
Billingham, R. E., M.A. Ox.
Gibson, R. J., B.Sc.

Medicine

(for subjects of first 2 yrs.—Anat.,
etc, v *supra*)

Dean:—Emeritus Prof Sir Leonard
G. Parsons, M.D., F.R.C.P.,
F.R.C.O.G., F.F.R.

Sub-Dean and Tutor.—Asst. Prof.
C. F. V. Smout, M.D.

Director, Board of Graduate
Studies.—Emeritus Prof. W.
H. Wynn, M.D. Lond., M.Sc.,
F.R.C.P.

Anaesthetics

Featherstone, H. W., O.B.E., M.A.,
M.D., B.Chir. Camb., L.L.D.
Edin., D.A. Camb.

Lectr and Clin Lectr.
Clarke, L. T., B.Sc., M.B., Ch.B.,
D.A. Clin. Lectr.

Murtagh, B. L. S., M.B., Ch.B.,
D.A. Clin. Lectr.

Sanders, Doris M., M.B., Ch.B.,
D.A. Clin. Tutor.

Green, Marion W. S., M.B., Ch.B.,
D.A. Clin. Tutor.

Bacteriology

Shrewsbury, J. F. D., M.D., Ch.B.
Liv., M.D., D.P.H. Prof.

Laughton, Nancy, M.B., Ch.B.,
D.P.H. Lectr.

Bisset, K. A., B.Sc., Ph.D. Lectr.
Moore, F. W., B.Sc. Durh. Lectr.

Cruickshank, C. D., B.A. Ox.
Lectr.

Peeney, A. L. P.
Hon. Lectr. and Clin. Tutor.

Palmer, F. P. Demr.

Ear, Nose and Throat, Diseases of

Woodman, E. M., M.S. Lond.,
F.R.C.S.

Lectr. and Clin. Lectr.
Adams, W. S., Ch.B., F.R.C.S.

Clin. Lectr.
Moffett, A. J., Ch.B., F.R.C.S.

Asst. Clin. Lectr.
Strang, R. R. S., Ch.B., F.R.C.S.

Asst. Clin. Lectr.

Forensic M. & Toxicology

Webster, J. M., M.A., M.D.,
F.R.C.S. Ed. Prof.
..... Lectr.

Infectious Diseases Clin. Lectr.

McGarrity, J., M.D., D.P.H. Edin.

Gastroenterology

Hardy, T. L., M.A., M.D. Camb.,
F.R.C.P. Prof.

Medical Statistics

Hogben, L., M.A. Camb., D.Sc.
Lond., M.Sc., F.R.S. Prof.

..... (Vital Stat.) Lectr.

Waterhouse, J. A. H., M.A. Camb.,
Ph.D. Lectr.

Johnstone, Muriel M., M.A. St
And., Ph.D. Edin.

Officer-in-Charge of Records.

Medicine

Arnott, W. M., B.Sc. Edin., M.D.
Edin. and Birm., F.R.C.P. Ed.
Prof.

Cooke, W. T., M.A., M.D. Camb.,
F.R.C.P.

Reader and First Assistant.

Scarborough, H., M.B., Ch.B.,
Ph.D. Edin., F.R.C.P. Ed.

Reader.

Bulmer, R., C.B.E., M.D. Edin.,
F.R.C.P.

Lectr. and Clin. Lectr.

Clinical Lecturers

Wilkinson, K. D. (Emeritus Prof.),
O.B.E., M.D., F.R.C.P.

Cloake, Prof. P. C. P., B.Sc., M.D.
Birm. and Lond., D.P.M.,
F.R.C.P.

Hardy, Prof. T. L., M.A., M.D.
Camb., F.R.C.P.

Thomson, Prof. A. P., M.C., M.D.,
F.R.C.P.

Brenner, O., M.D., F.R.C.P.
Sheldon, J. H., M.D. Lond.,
F.R.C.P.

Assinder, E. W., Ch.B., M.D.
(Venereal Dis.).

Tate, B. C., M.A., M.D., F.R.C.P.
(Dis. of Skin).

Ash, E. B., M.B., Ch.B. (Dis. of Skin).

Asst. Clinical Lectrs.

Taylor, A. B., M.D., F.R.C.P.
Smallwood, W. C., M.B., Ch.B.,
F.R.C.P.

Parsons, C. G., M.A., M.D. Camb.,
F.R.C.P.

St. Johnston, C. R., M.D.

Malins, J. M., M.B., Ch.B.

Hall, G. S., M.D., F.R.C.P.

Williams, G. E. O., M.D. Liv.

Neurological Studies

Cloake, P. C. P., B.Sc., M.D. Lond
and Birm., D.P.M. Camb.,
F.R.C.P. Prof.

Hall, G. S., M.D. (Neurol.) Lectr.

O'Reilly, J. J., M.B., Ch.B.,
D.P.M. (Psychiatry) Lectr.

Obstetrics and Gynaecology

Lloyd, Hilda N., B.Sc., M.B.,
Ch.B., F.R.C.S., F.R.C.O.G.
Prof.

McLaren, H., M.B., Ch.B., M.D.,
F.R.C.S. Ed. First Asst

Barnie-Adshead, W. E., B.Sc.,
M.B., Ch.B., F.R.C.S. Eng
and Ed., F.R.C.O.G.

Lectr. and Clin. Lectr.

Selby Tait, F., M.B., Ch.B.,
F.R.C.S.

Asst. Lectr. and Clin. Lectr.

Davidson, S., M.B., Ch.B. Edin.,
F.R.C.S. Ed.

Asst. Lectr. and Clin. Lectr.

Clinical Lecturers

McMillan, K., F.R.C.S.

Ganner, P., B.S. Lond., F.R.C.S.

Dobbie, Beatrice, B.Ch. Camb.,
F.R.C.S.

Shotton, D. Margaret, M.B., Ch.B.

Maslen-Jones, S. W., M.S. Lond.,
F.R.C.S., F.R.C.O.G.

Asst. Clinical Lectr.

Taylor, W. A., M.D. Dub.,
F.R.C.S.I., F.R.C.O.G.

Taylor, C. W., M.B., Ch.B.
(Gynaecological Pathology)

Demr.

Ophthalmology

Rudd, C., M.B., Ch.B.,
F.R.F.P.S.G., D.O.M.S.
Lectr. and Clin. Lectr.

Clinical Lecturers

Archer-Hall, H. W., D.O. Ox.
Alabaster, E. B., D.O. Ox.
Butler, R. D. W., B.A. Camb.,
D.O.M.S.

Asst. Clinical Lectrs.

Evans, P. J., M.A., B.Ch. Camb.,
M.D., F.R.C.S., D.O.M.S.
Douglas, A. A., B.Sc., M.D. St.
And., D.P.H.

Pædiatrics and Child Health

Smellie, J. M., O.B.E., M.D. Edin
and Birm., F.R.C.P. Prof
Mackintosh, Jean M., M.D. Glas.,
D.P.H. Reader.
Moseley, J. H., M.A., M.B.,
B.Chir. Camb. First Asst.
Crosse, V. Mary, O.B.E., M.D.
Lond., D.P.H. (Child Wel-
fare) Lectr.
Smallwood, W. C., M.B., Ch.B.,
F.R.C.P.

*Lectr. and Clin. Lectr.**Clinical Lecturers*

Braid, Frances, M.D. St. And.,
F.R.C.P. (Med).
*Raison, C. A., M.B., Ch.B.,
F.R.C.S. (Surg.).
*Mason, R. P. S., M.C., F.R.C.S.
(Surg.).
*Debenham, R. K., C.B.E., M.A.,
M.D. Camb., F.R.C.S. (Surg.).
*Adams, W. S., M.B., Ch.B.,
F.R.C.S. (Ear, Nose, Throat).
*Evans, P. J., M.A., M.D. Camb.,
F.R.C.S., D.O.M.S. (Ophthal-
mol.).
Tate, B. C., M.B.E., M.A., M.D.
Camb., F.R.C.P. (Dis. of the
Skin).
*Teall, C. G., M.D., F.F.R.
(Radiol.).

*Thorpe, E., M.B., Ch.B., D.M.R.E.
(Radiol.).

Allan, F. G., B.S. Lond., F.R.C.S.
(Orthopædic Surg.).

Davies-Thomas, E., T.D., L.D.S.
(Dent. Surg.).

Cant, W. H. P., M.D. Lond.
(Pathol.).

Baar, H., M.D. Vienna (Pathol.)
Hickmans, Evelyn M., M.Sc.,
Ph.D. (Biochem.).

Mitchell, J. R., M.B., Ch.B. Glas.,
D.P.H. (School Med.).

Burns, C. L. C., D.P.M. (Child
Guidance).

Geddes, J. E., M.D. Glas. (Tuber-
culosis).

Earl, C. J. C., F.R.C.P.I., D.P.M.
(Mental Deficiency).

Asst. Clinical Lectrs.

*Parsons, C. G., M.A., M.D. Camb.,
F.R.C.P. (Med.).

*Welsh, F., B.Sc., M.B., Ch.B.,
F.R.C.S. (Surg.).

*d'Abreu, A. L., O.B.E., Ch.M.,
F.R.C.S. (Surg.).

*Moffett, A. J., M.B., Ch.B.,
F.R.C.S. (Ear, Nose, Throat).

*Douglas, A. A., B.Sc., M.D.
St. And., F.R.C.S.E., D.P.H.
(Ophthalmol.).

Innes, A., M.B.E., M.A., B.Chir.
Camb., F.R.C.S. (Orthopædic
Surg.).

Firth, H. D., H.D.D. (Dent. Surg.).

Crosskey, J. H., M.C., M.B.,
Ch.B. (Anæst.).

Jones, H. W. E., O.B.E., M.B.,
B.S. Lond.

Pathology

Wilson, G. H., M.B., Ch.B. Glas.,
M.D. Prof.

Squire, J. R., B.A., M.B. Camb.,
B.Chir. Camb.

(Experimental Path.) Prof.
Orr, J. W., B.Sc., M.D. Belf.,
D.P.H. Belf.

(Pathology) Prof.

* Names also appear under the appropriate headings of the subjects taught.

Bishton, R. L., M.B., Ch.B. Lectr.
 Stafford, J. L., M.B., Ch.B. Lectr
 Taylor, C. W., M.B., Ch.B.

Asst. Lectr.
 Whitelaw, W., M.B., Ch.B. Glas.
 Clin. Lectr.

Peeney, A. L. P.
 (Clin. Path.) Tutor.
 Pivawer, M. J., B.Sc., M.D. Sheff.,
 D.P.H. Leeds
 (Clin. Path.) Tutor

Pharmacology and Therapeutics

Frazer, A. C., D.Sc. Lond., M.D.
 (Phar.) Prof.
 Thomson, A. P., M.C., M.D.,
 F.R.C.P.

(Therapeutics) Prof.
 Schutz, F., M.D. Vienna
 (Pharmacol. Chem.) Reader
 Elkes, J. J., M.B., Ch.B. Lectr.
 Chance, M. R. A., B.Sc. Lond.
 (Experimental Phar.) Lectr.

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 (Exper. Therapeutics) Lectr.

Radiology

Black, Harold, M.D., D.P.H. Belf.,
 F.R.C.P., F.F.R.
 Lectr. and Clin. Lectr.

Clinical Lecturers

Teall, C. G., M.D., F.F.R.
 Brailsford, J. F., M.D., Ph.D.,
 F.R.C.P.
 Bromley, J. F., O.B.E., M.B.,
 Ch.B., F.F.R.
 Thorpe, E., M.B., Ch.B.

Social Medicine

McKeown, T., B.A. Br. Col., Ph.D.
 McG., D.Phil. Ox., M.B.,
 B.S. Lond., M.D. Prof.
 Lecturers (Public Health)
 Paul, H., M.D., D.P.H.
 Martine, W. R., Jun., O.B.E.,
 T.D., M.D., D.P.H.

Lecturers (Occupational Health)

Lloyd, W. J., M.A., M.B., B.Chir.
 Camb.

Marr, N. G., M.B., Ch.B.

Lecturers (Soc. Med.)

Record, R. G., M.B., Ch.B., D.P.H.
 Gibson, J. R., M.B., D.P.H.

Surgery

Stammers, F. A. R., C.B.E., B.Sc.,
 Ch.M., F.R.C.S. Prof.
 Brooke, B. N., M.Chir. Camb.,
 F.R.C.S. First Asst.
 Morrissey, D. M., M.B., Ch.B.,
 F.R.C.S.Ed. Lectr.
 d'Abreu, A. L., O.B.E., Ch.M.,
 F.R.C.S.
 Lectr. and Asst. Clin. Lectr.
 Welsh, F., B.Sc., Ch.B., F.R.C.S.
 Lectr. and Asst. Clin. Lectr.
 Collis, J. L., B.Sc., M.D., F.R.C.S.
 Asst. Lectr. and Asst.
 Clin. Lectr.
 Baines, G. H., M.A., M.B., B.Chir.
 Camb., F.R.C.S.
 Asst. Lectr. and Asst.
 Clin. Lectr.

Surgery, Minor

Innes, A., M.B.E., B.Chir. Camb.,
 F.R.C.S. Pt-time Lectr.

Clinical Lecturers

Sampson, H. H., O.B.E., M.C.,
 M.B., Ch.B., F.R.C.S.
 Rose, B. T., B.Sc., Ch.M., F.R.C.S.
 Mason, R. P. S., M.C., F.R.C.S.
 Raison, C. A., M.B., Ch.B.,
 F.R.C.S.
 Donovan, H., M.B., Ch.B., F.R.C.S.
 Gissane, W., F.R.C.S.
 Patrick, V., B.Ch. Camb., F.R.C.S.
 Asst. Clinical Lectrs.

Debenham, R. K., C.B.E., M.A.,
 M.D. Camb., F.R.C.S.
 Donovan, T. S., M.Chir. (Orth.),
 M.B., Ch.B., F.R.C.S.

Surgery, Orthopaedic

Leather, J. B., M.A. Camb., M.B.,
 B.C. Camb., F.R.C.S.Ed.
 Lectr. and Clin. Lectr.

Dentistry

Humphreys, H. F., K.H.P.,
O.B.E., M.C., D.L., M.B.,
Ch.B., M.D.S., F.D.S., F.S.A.,
Director of Dental Studies
(D. Surg.) Prof.
Osborne, J., Ph.D. Sheff., L.D.S.
(D. Prosthetics) Prof.

Lecturers

Manley, E. B., M.Sc. Manc.,
B.D.S. (Dental Anat., Histol.
and Histo-Path.).

Ireland, J., L.D.S. Edin. (D. Pros-
thetics).

Tavener, R. W. H., B.D.S.
(Operative Dent. Surg.).

Hardwick, J. L., B.D.S.
(Operative Dent. Surg.).

Knight, J. S., H.D.D. Edin.
(Operative Dent. Surg.) Clin.

Smith, R. J., B.D.S.
(Junior Operative Course)
—Clinical.

Roper-Hall, H. T., M.B., Ch.B.,
M.D.S. (D. Mat. Med.).

Malins, J. M., M.B., Ch.B.
(Med. for D. Students).

Day, A. J. W., H.D.D., L.D.S.
(Orthod.).

Davis, Muriel E. H., L.D.S.
(Orthod.).

Trotter, P. A., H.D.D., L.D.S.
(Preventive Dentistry).

Baines, G. H., F.R.C.S.
(Surg. for D. Students).

Reagan, F. P., B.A. Indiana, Ph.D.
Princet.

(Anat. for D. Students).

White, C., M.Sc., M.B., B.S. Syd.

James, W. Warwick, O.B.E.,
M.Ch., F.R.C.S.

Hon. Research Fellow and
Hon. Member of Staff.

Wright, T. J., B.D.S. (Junior
Operative Course)
Asst Clin. Lectr.

**Clinical Lecturers at Dental
Hospital****Hon. Dental Surgeons**

Roe, S. H., L.D.S.
Austin, N. A., L.D.S.
Swann, H. S., L.D.S.
Bowen, G. H., B.D.S.
Taylor, R. C., L.D.S.
Meacock, S. P., L.D.S.
Stammers, A. F., M.D.S.
Clendinnen, A. G., L.D.S.

Hon. Radiologist

Meek, H. M., L.D.S.

General Anaesthetics

Quinet, Doris E., M.B., Ch.B.,
B.Sc.

Huxley Lecturer

1947—(Not given).

Muirhead Lecturer

1947—Professor Radcliffe Brown.

Poynting Lecturer

1947—Professor E. Fermi.

William Withering Lecturer

1947—Professor A. Szent Györgyi,
M.D. Budapest.

Ingleby Lecturer

1947—Professor S. Zuckerman,
C.B., M.D., M.A., D.Sc.,
F.R.S.

University Extension

Director of Extra-mural Studies,
Secretary of the Board of
Adult Education, D. R.
Dudley, M.A.; Senior Staff
Tutor, R. T. Rundle Clark,
M.A.; 13 other Full-time
Tutors.

Physical Education

Munrow, A. D., B.Sc. Lond.

Director

AFFILIATED INSTITUTIONS

THE CITY OF BIRMINGHAM COMMERCIAL COLLEGE. Students may attend
classes in the College and pass the exams. prescribed for the degree of B.Com.

at the end of the First Year's Courses without attendance at the University. Full-time attendance at Univ. Classes is required during the subsequent two sessions leading to the completion of the requirements for the Degree

GENERAL INFORMATION

The University, formerly the Mason College founded by Sir Josiah Mason in 1880, was incorporated by Royal Charter in 1900. The Charter prescribes instruction in all branches of a liberal education, and such instruction especially as may be of service in the manufactures, commerce and industrial pursuits of the Midlands. The Faculties of Arts and Law are still housed in the buildings of Mason College in the centre of the city; the Faculties of Science and Commerce are in the main University buildings at Edgbaston opened in 1909. The Faculty of Medicine is housed in the Medical School on the Hospitals Centre site at Edgbaston, opened in July 1938.

FACULTIES: Arts, Commerce and Social Sci., Law, Science, Medicine. Deans: Prof. R. Pascal, Prof. P. Sargent Florence, Prof. Smalley-Baker, Prof. F. H. Garner, Sir Leonard G. Parsons.

Institute of Education (including Department of Education); Departments of Malting and Brewing and other Industrial Fermentation Processes; Social Study. Connected with the Medical Faculty is a School of Dentistry and a Department of Social Medicine.

LIBRARY, about 313,000 vols. *Special Collections:* A large collection of Scientific, Medical and other Periodicals: Books on Neoplatonism, Ruskin, Grillparzer, Plautus and Terence, John Humphreys (History and Local Archaeology), J. H. Poynting (Early Works on Physics), James Ward (Philosophy), J. H. Muirhead (Philosophy), Sir Oliver Lodge (Physics, Theology, etc.), Hensleigh Wedgwood (Philology). Sargent, rich in French economic literature of *circa* 1830-60; Jesse Collings, some 350 books on agric. and land problems; Bunce, rich in nineteenth-century biography; Corbett, Holliday, art and archaeology; large collection of musical works. **MUSEUMS:** Anat., Dent., Geol., Zool., Mining, Herbarium (Bot.), Path., Physiol.

LABORATORIES: Chemical (special organic, phys., electro-chem., analytical, and public health depts.); Physics (including Electron Physics), Biol., Engin. (including Electrical, Mechanical, Civil and Chemical), Metallurgy, Mining (exceptionally well equipped, expl. coal-mine), Brewing; Power-station supplying whole Univ. with lighting, heat and power; Physiol.; Pathol.; Cancer Research; Research in Mental Disease; Bacteriol. A small OBSERVATORY is attached to the dept. of Physics. **HOSPITALS** (1050 beds) available for clinics—Birmingham United (General and Queen Elizabeth) and many special.

ADVISORY BOARD FOR MENTAL DISEASE RESEARCH (the University and contributing authorities in the Midlands). *Honorary Director*—Prof. P. C. P. Cloake, M.D., B.S., B.Sc., D.P.M., F.R.C.P. *Research Officer*—Franz Schutz, M.D. Vienna.

ADMISSION. See Appendix I.

DEGREES. B.A., B.Mus., B.D., M.A., M.Mus., D.Litt., D.Mus.; B.Sc. (in pure Science; in Engineering—Mech., Civ., Elec., Chemical, Petroleum; in Industrial Fermentation; in Metallurgy; in Mining—Coal and Metal); M.Sc., D.Sc.; M.B., Ch.B., B.D.S., M.D., Ch.M., M.D.S.; B.Com., also B.Com. (Social Study); B.Com. (Social and Political Science); B.Com. (Geography); B.Com. with Specialization in Russian Studies, M.Com.; LL.B., LL.M., LL.D.; Ph.D. (in any Faculty).

No degree can be obtained without attendance upon prescribed courses in

the Univ. extending over at least 3 academic yrs. after matricn. except in the case of graduates of other approved Univs., who are, under certain conditions, admitted to the 1 yr. courses for the M.A. and M.Sc. and to 2 yr. courses for the B.Sc. (courses in technical subjects), B.Com., Ph.D. (v. p. 15), M.D., or Ch.M. B.A., with Honours, may be obtained in any one of the following Special Schools: Classics, Engl., French, German, Italian, Russian, Spanish, Hist.; Philos., Maths., Geog., Econ., Theol.; Linguistics. Honours are also awarded in the General B.A. Examn., where sufficient merit is shown.

There is an Honours School of Music in which B.Mus. (Hons.) can be obtained. Candidates must have satisfied the conditions for entry upon a degree course, have passed or obtained exemption from the Intermediate Arts Examination (in which Music has been passed as a Principal Subject), and must satisfy the Prof. of Music that they have an adequate power of performance on some musical instrument.

In the B.Com. courses one-third of the student's time may, if he chooses, be devoted to work in Applied Science. There is a 4 yrs.' B.Com. course for students entering at Inter. B.Sc. standard, the first 2 yrs. in the Faculty of Science and the remaining 2 yrs. in the Faculty of Commerce.

B.Sc. Honours in Pure Science (3 yrs.) may be taken in all subjects in the Faculty. There are Honour Schools in Maths., Mathematical Physics, Physics, Chem., Zool., Bot., Bact., Geol., Geog., Geol. with Geog., combined course in Anat. and Physiol. In Applied Science the B.Sc. courses (Pass and Honours) in Engin. (Mech., Civil, Elect. and Chemical), in Mining and in Metallurgy and the Hons. Course in Industrial Fermentation cover 4 yrs. Those in Mining involve practical work underground.

Subject to certain provisos, graduates of Oxford who have obtained the Oxford Diploma in Scientific Engin. and Mining Subjects are eligible for the B.Sc. degree in Engin., Mining or Metall., and graduates of Oxford with Hons. in the Final Honour School of Nat. Sci. (Eng. Sci.) or of Cambridge with 1st or 2nd class in Mech. Sci. Trip. are eligible for the B.Sc. degree in Mining after 2 yrs.' study at Birmingham.

Med. students may spend their first yr. at any school or schools of Med. recognized by the Univ., and the Senate may recognize examns. passed therein as exempting from the 1st Med. examn. They may obtain the B.Sc. as well as their Med. degrees by devoting 7 yrs. instead of 6 to study in the Univ.

The M.A., M.Com., M.Sc. and M.Mus. involve at least 1 yr. of study after completing the course for the Bachelor's degree.

The M.A. may be taken in Educn. as well as in the ordinary Arts subjects.

The D.Litt., D.Mus., D.Sc., or LL.D. may be taken 3 yrs. after the M.A., M.Mus., M.Sc. or LL.M., or 5 yrs. after the corresponding Bachelor's degree.

Advanced Standing. Candidates who, before admission, pass certain examns. of other approved Univs. and Examining Bodies may be permitted to take the final examn. for the B.Sc. (Hons.) at the end of their 2nd yr., and to do advanced or research work in their 3rd yr.

DIPLOMAS. *Psychology of Childhood*, 1 yr. for graduates and other approved persons; *Public Health* (Certificate and Diploma), 1 yr. for Medical Practitioners registered in the Medical Register, otherwise than by virtue of Defence Regulation 32 B., for at least 2 yrs. previously; *Educational Psychology*, 1 yr. Postgrad., for grads. of approved Univs. who have obtained B.A. or B.Sc. Hons. in Psychol. or who have pursued approved courses in Psychol. and who have had not less than 1 yr.'s teaching experience; *Dentistry*, 6 yrs.; *Commerce*, 1 yr. for graduates of approved Univs. subject to approval by Faculty; *Public Administration*, 1 yr., for graduates (in any Faculty) of Univs. in the United Kingdom; *Social Study*, 1 yr. for graduates preparing for work in the Social

Services; Higher Diploma in *Social Study*, 1 yr. after ordinary Diploma for graduates and other approved persons; *Malting and Brewing*, 3 yrs., graduates 1 yr.; *Theology*, 1 full-time or 2 part-time academic sessions for graduates of approved Univs. or suitably qualified non-graduates.

A Joint *Coal-mining* Diploma of the Univs. of Oxford and Birmingham may be taken by Oxford graduates in Engineering who, after 4 months' practical experience in coal-mining, pursue courses covering one session in this Univ. A similar Joint Diploma of Camb. and Birm. is given.

CERTIFICATES. Teachers (1 yr. and 2 yr. courses), Malting and Brewing (2 yrs.), Malting (2 yrs.), Industrial Nursing—1 yr. course arranged jointly by the Birmingham Accident Hospital and the University; Social Study, 2 yrs., for non-graduates.

RESEARCH. A joint standing committee of Senate and Council co-ordinates research work in all faculties, formulates policies of research, obtains funds and co-operates with Govt. agencies and external bodies. Trust Funds amount to £46,098. There are special committees for research in Mental Diseases and in Cancer.

FEES. Matricn., £2. *Total Inclusive Fees payable for following Bachelors' Degrees, Diplomas and Certificates: For Bachelors' Degrees, including Intermediate or First Yr. Course—B.A. or B.Mus., £136; B.D. (2 yrs.' graduate course), £56; B.Sc. (Pure Sci.), £102-£129, B.Sc. Appl. Sci. (Engin., Metall., Mining, Chem. Engin.), £231; Indust. Fermentation, £163; M.B., Ch.B., £270; B.D.S., £355; B.Com., £121. 10s.; B.Com. (Soc Study), £106; B.Com. for qualified Science Students, £149; LL.B., £54. For Diplomas and Certificates—L.D.S., £325; Diploma in Public Health, including Certif., £67: 4s., excluding Certif., £45: 17s.; Certif. in Public Health, £26: 12s.; Certif. in Educ., 1 yr. course, £43, 2 yrs.' course, £73: 8s.; Diploma in Psychol. of Childhood, £43; Postgraduate Diploma in Educational Psychol., £55; Diploma in Theol. (Separate Class Fees); Joint Coal Mining Diploma, £70; Diploma in Malting and Brewing, £135; Postgraduate Diploma in Malting and Brewing, £45; Certif. in Malting and Brewing, £90; Certif. in Malting, £90; Graduates' Commerce Diploma, £34; Diploma in Public Administration, £34; Social Study Diploma or Certificate (Separate Class Fees); Laboratory Research Fees—these vary according to subjects taken.

POSTGRADUATE AND RESEARCH SCHOLARSHIPS. 6 open to all Faculties; 30 in Sci.; 12 in Arts (1 of them reserved for Music); 2 in Com.; 3 in Law; also a Travelling Studentship (£300 for 1 yr.) biennially for research in Path.; 1 (£90) annually in one of the Facs. of Med., Com., or Law. Some of these are open to graduates of other Univs., but preference is always given to Birmingham graduates. There are also a number of open Fellowships and Research Studentships.

RESIDENCE. For women there is a Hall of Residence—Univ. House (Warden: Janet Carpenter, M.A.), Edgbaston Park Rd. (152 students), with grounds of 3½ acres. For men—Chancellor's Hall (Warden: P. C. Hordern, A.F.C., M.A.), Augustus Road, Edgbaston (96 students), with grounds of 7 acres. Fees: Women, 70 guineas to 85 guineas per session; Men, £75 to £87 per session.

APPOINTMENTS BOARD. Secy.—P. C. Hordern, A.F.C., M.A., The University, Edmund Street, Birmingham; Asst. Secy., P. F. Vowles, M.A.

* The Total Inclusive Fees cover membership of the Guild of Under-graduates Union, all Univ. Lecture and Laboratory fees, pupilage in Dental Mechanics, Clin. and Examn. fees.

GUILD OF GRADUATES. The Guild is entitled to appoint one representative for every 250 of its members to serve on the University Court of Governors, the present number of representatives being 28. One representative of the Guild is a member of the University Council. A *Register of Graduates* and a *News Letter* are circulated annually to all members.

UNIVERSITY BOARD OF ADULT EDUCATION. The Board supervises all the extra-mural work of the University. Public Lectures, University Extension Courses, Tutorial and Sessional Classes are held in Birmingham and at Centres throughout the West Midlands. There is a Joint Committee for work with the Workers' Educational Association.

PUBLICATIONS. *Calendar* (Oct.), Faculty and Departmental syllabuses and pamphlets, Regulations for Higher Degrees and Postgraduate Diplomas (during the Summer Term); *Report of University Research Committee*, including a bibliography of the research work published during the session (Feb.); *The Mermaid*; *Queen's Medical Magazine*; *Historical Journal*; *Shakespeare Survey*; Scholarship Pamphlet.

THE YEAR 1946-47

BENEFACTIONS. The following are the chief items: For General purposes—Estate of Sir Chas. Hyde, decd., £30,750; Estate of H. A. Dugard, decd., £5000; Estate of T. W. Aston, decd., £1000; Inst. of Chartered Accountants, £250; Walford H. Turner, £150*; Lewis's Ltd., £100*; Estate of E. M. Carter, decd., £100; for Scholarships—Imperial Chemical Industries Ltd., £4800*; J. B. Brockhouse & Co. Ltd., £4550*; Anglo-Iranian Oil Co., Ltd., £2500*; Cow & Gate Ltd., £1000; A. C. Wickman Ltd., £750*; Anglo-American Oil Co., Ltd., £650*; Austin Motor Co., Ltd., £600*; Morris Motors Ltd., £231: 13s.; Warwickshire Colliery Owners' Assocn., £200; Stanton Ironworks Ltd., £200; Mining Engineering Co., Ltd., £150*; New Consolidated Goldfields, £150*; South Yorkshire Coalowners' Assocn., £150; Central Mining & Investment Corp., £120*; Siebe Gorman & Co. Ltd., £120; Latch & Batchelor, £100*; Simon Carves Ltd., £100*; British Metals Corp., Ltd., £100*; Zinc Corp., Ltd., £100; Dr. Chester Beatty, £100; Wright's Ropes, Ltd., £100*; Warwickshire Coal Co., Ltd., £100*. For Chair of Production Engin.—Joseph Lucas Ltd., £16,000. For Fellowships in Literature—Rockefeller Foundation, £4964: 6: 4. For Physics Research—Nuffield Foundation, £5000; General Electric Co., Ltd., £150. For Postgraduate Travelling Studentship in Surgery—Anonymous Donor, £1714*. For Chair of Social Medicine—Nuffield Provincial Hospitals Trust, £1500. For Students Maintenance, Dept. of Production Engin.—Sir Peter F. Bennett, £1430*. For "Shakespeare Survey"—Rockefeller Foundation, £928: 4: 1. For Commerce Research—Cadbury Bros. Ltd., £500; Rationalist Press Assocn., £300*. For Coal Utilization—Warwickshire Colliery Owners' Assocn., £300; Simon Carves Ltd., £328: 11: 6.* For "Shakespeare Publications"—Shakespeare Memorial Theatre, £100; Shakespeare's Birthplace Trust, £100. Other donations—Estate of Miss L. A. Taylor, decd. (Chemistry Research), £201: 15: 3; Imperial Chemical Industries Ltd. (Metallurgy Research), £200; Estate of Edith Harrold decd. (New Hostel), £185: 14: 6; Tube Investments Ltd. (Science Research), £181: 16: 5*; Anonymous Trust (Dept. of Geography), £100; Guild of Undergraduates (Women Students' Fund), £100; C. H. Phillips Chemical Co., Ltd. (Students' Amenities), £100; W. Warwick James (Dental Research), £100. A number of smaller donations were also received. An Appeal Fund was launched in May 1944 and donations and promises to date amount to £1,022,000.

* Instalment under Deed of Covenant.

NEW BUILDINGS. An extension to the Physics Dept. is in progress and work has also been started on the first instalment of new buildings for the Depts. of Mech. and Elect. Engineering. To meet the immediate additional requirements of other Depts. on the Edgbaston Site, prefabricated huts are in course of erection. Preliminary plans are being prepared for proposed buildings in connection with the main development scheme to the North of University Road on the Edgbaston Site; also for a hostel for 144 men and one for approx. 150 women. Plans for the building of an Animal House for the Dept. of Anatomy at the Medical School are well advanced and work on the foundations will shortly commence.

NEW DEPARTMENTS. Principles of Engineering Production, with 1 full-time Professor; Medical Statistics and Human Genetics, with 1 full-time Professor, 2 full-time Lecturers and a full-time Officer-in-Charge of Records; Neurological Studies with 1 half-time Professor of Neurology, acting as Head of the Dept., and 2 part-time Lecturers; 1 full-time Professor of Psychiatry to be appointed.

NEW POSTS. Professorships in Principles of Engineering Production, Medical Statistics and Human Genetics, Neurology (half-time), Therapeutics (part-time), Gastroenterology (part-time), Dental Prosthetics, English Lang., Finance and Economics, Econ. Hist., Accounting and Admin. Readerships in Theoretical Metallurgy and in Medicine. First Assistants in Medicine and Obstetrics. Lectureships in Chem. (2), Industrial Fermentation (1), Mech. Engin. (2), Elect. Engin. (1), Chem. Engin. (1), Metallurgy (1), Mining (2), Classics (1), Archaeol. (1), Music (1), Education (2), Pathol. (1), Bacteriol. (2), Medicine (1), Surgery (1), Social Medicine (2), Med. Statistics (1), Dental Prosthetics (1), Industrial Economics (1), Econ. Hist. (1). Research Fellows in Metallurgy (2), Chem. Engin. (2), Physiol. (1), Pharmacol. (1), Social Medicine (1), Anat. (1), Tutors in Extra-Mural Dept. (4), Social Study (1). Assistant Lectureships in Botany (1), Zoology (1), Mathematical Physics (1), Physics (2), Chem. (2), Geol. (1), Brewing (1), Metallurgy (1), Chem. Engin. (1), Classics (1), English (1), German (1), Spanish (1), Russian (2), Philos. (1), Geog. (1), Anat. (1), Pathol. (1). Other posts: Radiographer (Anat.). Officer-in-Charge of Records (Medical Statistics). Asst. Sec. Appointments Board. Admissions Tutors for Faculties of Science and Arts and Social Study Students.

NEW COURSES AND CHANGES IN REGULATIONS. *Faculty of Science.* (a) Anat. and Physiol. now taken as a Combined Course for Ordinary degree of B.Sc. instead of as separate subjects. (b) Hons. Degree in Combined Course in Anat. and Physiol. instituted, replacing separate Hons. Schools in these subjects. *Faculty of Arts.* (a) Hons. courses in Theol. and Linguistics instituted. (b) Course for Diploma in Educational Psychol. instituted. (c) Title of Diploma in Educn. changed to Certificate in Educn. (d) Regns. governing award of B.A. with Hons. in Grouped Subjects withdrawn and Degree abolished. Hons. now awarded in special Honours Schools, or in the General B.A. Degree to students whose work is of sufficient merit. *Faculty of Medicine.* (a) Curricula of Depts. of Anat. and Physiol. fused into a single Syllabus and taken as a combined subject for the Second M.B., Ch.B. Examn. instead of separate subjects. (b) Courses in Neurol., Psychiatry, Med. Statistics and Gastroenterol. instituted. (c) Regns. governing award of M.D. in State Medicine withdrawn and degree abolished. (d) Regns. governing award of degrees of M.D. and Ch.M. under revision. (e) Course for Diploma for Sister Tutors abandoned. (f) Regn. requiring a candidate for the degree of Ph.D. in Faculty of Medicine to possess a Medical degree rescinded. (g) Fourth Year Medical

Course in Operative Surgery discontinued in accordance with recommendation of G.M.C. One year postgraduate course in Orthodontics instituted. Two new "Special Subjects" for final B.D.S. examn. inaugurated, viz.: Prosthesis in Dentistry and Oral Surg. Third L.D.S. examn. taken in three parts instead of two parts. *Faculty of Commerce.* (a) Course for degree of B.Com. (Social Study) instituted; intending Candidates interviewed by a Committee as to their suitability for Social work. Priority normally given to older and more experienced applicants. (b) Course for degree of B.Com. with specialization in Russian Studies instituted. In connexion with the course three main considerations have been kept in view: the importance of understanding the institutions and economic system of the U.S.S.R.; the importance of gaining this understanding as part of a wider education in economics, industrial organization, accounting, law and government; and the likelihood that students will enter the Univ. unable to read the Russian Language. (c) Title of degree of B.Com. (Hons. Social Science) changed to B.Com. (Social and Political Science). (d) Certificate instead of a Diploma awarded for 2 yrs.' Course for non-graduates in Social Study Dept. (e) Matriculation Credit now required in Maths. for following degree courses: B.Com., B.Com. (Social Study), B.Com. (Social and Political Science).

OTHER DEVELOPMENTS. (a) An Institute of Education has been established with Professor M. V. C. Jeffreys as its Director. The Institute, of which the former Dept. of Education is the nucleus, has seven Training Colleges in the West Midlands as constituent members and ten other Institutions as associate members. Some responsibility for the training of all teachers in the area will be undertaken; Educational Research will also be of primary importance. (b) It has been decided that the laboratory work, for many years undertaken in the Dept. of Bacteriology on behalf of Local Authorities, shall be transferred to the Ministry of Health as soon as the National Laboratory Service under the new Health Act can function in this region.

EXTRA-MURAL WORK. The class programme showed a considerable expansion during the year. In co-operation with Oxford Univ., new Extension centres were opened at Worcester, Coventry and Shrewsbury. A 6 weeks' Postgraduate School for overseas students was held at Stratford-upon-Avon. With the co-operation of Local Authorities, University Weeks were held in Hereford, Worcester and in Shropshire.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. E. Perroy, Univs. of Paris and Lille (4 Lectures)—Subjects: (a) "The French Resistance Movement"; (b) "The Economic Crisis of the 14th century"; (c) "The Current Political Situation in France"; (d) "The Use of History." Dr. Heselhaus, Munster, Subject: "Droste Hulshoff." Prof. R. Firth, London, (Mason Lecture), Subject: "Social Anthropology." Prof. K. S. Latourette, Prof. of Missions and Oriental History, Yale Univ. (The Edward Cadbury Lecture), Subject: "The Christian Outlook." Prof. Walter Johnson, Univ. of Chicago, U.S.A.—(a) "Main trends in the development of the U.S.A."; (b) Course of lectures for Extra-Mural Department—"The U.S.A. as a World Power."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. A. S. C. Ross, course of Lectures at Univ. of Göttingen—Subject: "Auritian Legend." Prof. Stacey Ward, delivered Westman Memorial Lecture to the Chemical Institute of Canada. Prof. M. Stacey, an account of some of his recent Researches given to the American Chemical Soc. Mr. R. H. Thomas, Cologne Univ. (3 Lectures) Subjects: (a) "Die Einheitsschule in England in Deutschland"; (b) "Die Volksbildung in England—in Deutschland"; (c)

"Das Englische Erziehungsgesetz von 1844." Prof. J. A. Hawgood, (1) 3 lectures on each of following subjects, given at Univs. of Innsbruck, Vienna and Graz: (a) "The Citizens and Democratic Government in Britain To-day"; (b) "The Atlantic Basin in Modern World History—Transoceanic Immigrations of the Nineteenth and Twentieth Centuries"; (2) following lectures given at various Universities and Colleges in the U.S.A.: (a) "Is Britain a Democracy"; (b) "Recent British Legislation and Legislative Projects"; (c) "The Question of Germany's Future"; (d) "Problems of Government in the Danubian Countries"; (e) "The British Colonial Office and Colonial Administrative System"; (f) "The British Foreign Service and Proposals for its Reform and Reorganization."

RETIREMENTS. Prof. J. G. Smith (Vice-Principal, Dean of the Fac. of Commerce and Prof. of Finance), Miss M. E. Hirst (Lectr. in Classics).

RESIGNATIONS Mr. S. Dobryn (Lectr. in Russian), on appt. to Chair of Russian at Univ. of Manchester; Dr. T. G. Hunter (Lectr. in Chem. Engin.) on appt. to Chair of Chem. Engin. at Univ. of Sydney; Dr. F. J. Llewellyn (I.C.I. Research Fellow) on appt. to Chair of Chemistry at Univ. Coll., Auckland; Mr. N. M. McElwee (Lectr. in Elect. Engin.), on appt. to Chair of Elect. Engin. at Canterbury Univ. Coll., Christchurch; Dr. R. R. Nimmo (Lectr. in Physics) on appt. to Chair of Physics at Univ. of Otago, Dunedin; Dr. F. Smith (Lectr. in Chem.) on appt. to Chair of Biochemistry at Univ. of Minnesota; Dr. A. V. Neale (Asst. Lectr. and Asst. Clin. Lectr. in Med.) on appt. to Chair of Pædiatrics and Child Health at Univ. of Bristol; Dr. F. Jacoby (Reader in Histol.) on appt. to Readership in Histol., Univ. of Wales; Dr. J. W. Abbiss (Lectr. in Bacteriol.) on appt. to Lectureship in Bacteriol. at Dalhousie Univ.; Mrs. E. David (Lectr. in Educn.); Dr. R. E. Gibbins, Dr. R. I. Greenblatt and Dr. B. H. D. Robinson (Temp. Asst. Lectrs. in Anat.); Dr. A. H. Nissan and Dr. D. M. Wilson (Lectrs. in Chem. Engin.); Dr. H. Markowe (Lectr. in Soc. Med.); Dr. J. L. Matheson (Lectr. in Civ. Engin.); Dr. C. R. Porter (Lectr. in Chem.); Mr. C. H. M. Turner (Lectr. in Elect. Engin.); Dr. H. H. Watts (Lectr. in Pathology); Miss E. K. Steel (Asst. Lectr. in Physical Educ.); Mr. H. J. Trump (Staff Tutor, Extra Mural Dept.); Mr. R. K. Debenham (Lectr. in Surg.).

DEATHS. Prof. T. David Jones (Mining); Colonel C. H. Howkins (Hon. Dental Surgeon, Dental Hospital and former Acting Prof. of Dental Surg.).

HONORARY DEGREES. LL.D.—The Rt. Hon. Lord Justice du Parcq, a Lord of Appeal, Chairman of Royal Commission on Justices of the Peace, 1946; Lewis Hill Weed, Dean of the Johns Hopkins Medical School at Baltimore, U.S.A.; Frank Percy Wilson, Prof. of English Literature in the University of Oxford; D.Sc.—Otto Robert Frisch, Head of the Nuclear Physics Division of the Atomic Research Establishment at Harwell.

STUDENTS. Total: 3148; full-time: 2577; part-time: 571; the total includes 1225 women and 415 postgraduates.

DEGREES OBTAINED. B.A., 100; B.Mus., 1; M.A., 15; Ph.D. (Theology), 1; LL.B., 11; LL.M., 2; B.Sc., 227; M.Sc., 19; Ph.D. (Science), 27; D.Sc., 6; M.B., Ch.B., 54; M.D., 7; Ch.M., 2; B.D.S., 5; B.Com., 11; M.Com., 3.

DIPLOMAS OBTAINED. L.D.S., 14; Education, 81; Theology, 1; Graduates Commerce, 2; Social Study, 22; Malting and Brewing, 2; Public Health, 14; Nursing, 3.

CERTIFICATES OBTAINED. Primary Teacher's, 62; Public Health, 3; Industrial Nursing, 18.

UNIVERSITY OF BRISTOL

Founded 1909

VISITOR—H.M. THE KING.

CHANCELLOR—The Rt. Hon. WINSTON S CHURCHILL, O.M., P.C., C.H., LL.D., F.R.S., M.P. (*ex officio* President of Court, Council and Convocation).

PRO-CHANCELLORS—The Rt. Hon. LORD DULVERTON OF BATSFORD, O.B.E., M.A. Ox., J.P.; Sir ARTHUR HOBHOUSE, M.A., J.P.; Sir ROBERT J. SINCLAIR, K.C.B., K.B.E., M.A.

VICE-CHANCELLOR—Sir PHILIP MORRIS, C.B.E., M.A. Ox.

PRO-VICE-CHANCELLOR—G. C FIELD, M.A., D.Litt. Ox.

CHAIRMAN OF COUNCIL—Sir ROBERT J. SINCLAIR, K.C.B., K.B.E., M.A. Camb.

TREASURER—H. G. TANNER, J.P.

LIBRARIAN—F. L. KENT, M.A. Camb.

SECRETARY AND REGISTRAR—WINIFRED SHAPLAND, M.A.

ACTING BURSAR—D. C. A. SMITH.

Telephone : Bristol 23146 and 21744.

TEACHING STAFF

Anatomy

Yoffey, J. M., M.D. Manc., D.Sc. Manc., F.R.C.S. Prof.

Baxter, J. S., M.A. Camb., M.Sc., M.D., Ch.B. Belf., F.R.C.S.I. Sr. Lectr.

Field, E. J., M.D., M.S. Durh. Lectr.

Robinson, Frances G., M.B., Ch.B. Birm. Asst. Lectr.

Bolt, D. E., M.B., Ch.B. Demr.

Brierley, J. B., M.B., Ch.B. Demr.

Lennard, M. B., M.B., Ch.B. Demr.

Aramaic, v. Orient. Langs.

Botany, v. also Assoc. Instns.

Skene, MacG., D.Sc. Aberd. Melville Wills Prof.

Hawker, Lilian E., D.Sc., Ph.D. Lond. Lectr.

Fraymouth, J., M.Sc. Lond. Lectr.

Hope-Simpson, J. F., M.A., D.Phil. Ox. Lectr.

Folkes, B. F., B.Sc. Asst. Lectr.

Yemm, E. W., B.A., D.Phil. Ox. Lectr.

1 Recogd. Teacher in Gardening.

Chemistry, v. also Assoc. Instns.

Baker, W., M.A. Ox., D.Sc. Manc. F.R.S. A. C. Pass Prof.

Malkin, T., D.Sc. Lond., Ph.D. Manc. Reader.

Jones, J. K. N., D.Sc. Birm., Ph.D. Sr. Lectr.

Maxted, E. B., D.Sc. Lond., Ph.D. Berl. (Catalysis) Sp. Lectr

Pollard, F. H., B.Sc., Ph.D.
 Lectr.
 Coates, G. E., M.A., B.Sc. Ox.
 Lectr.
 Eley, D. D., M.Sc., Ph.D. Manc.
 (Biophysical Chem.) Lectr.
 Sullivan, Kathleen W., B.Sc. Lond.
 Lectr.
 Gray, T. J., B.Sc. Lectr.
 McOmie, J. F. W., M.A., D.Phil.
 Ox. Asst. Lectr.
 Ollis, W. D., B.Sc. Asst. Lectr.
 Seymour, R. C., B.Sc. Asst. Lectr.
 King, Annie M., Ph.D.
 Research Asst.

Chemistry, Physical

Garner, W. E., C.B.E., M.Sc.
 Lond., D.Sc. Birm., F.R.S.
 Leverhulme Prof.
 Bawn, C. E. H., B.Sc., Ph.D.
 Reader.
 Dunning, W. J., B.Sc., Ph.D. Liv.
 Lectr.

Classics

Kitto, H. D. F., B.A. Camb.
 (Greek) H. O. Wills Prof.
 Beare, W., M.A. Dub. (Latin) Prof.
 Eichholz, D. E., M.A. Camb.
 Lectr.
 Momigliano, A., M.A. Ox. (Anc.
 Hist.) Lectr.
 Gullely, N., M.A. Ox. Asst. Lectr.
 Maclaren, K., B.A. Camb.
 Asst. Lectr.

Dentistry, v. infra

Domestic Science, v. also Assoc. Instns.

Taylor, M. Burella, B.A. Lectr.
 Eland, Grace M. (Dom. Econ.)
 Lectr.

Drama

Taig, T., M.A. Glas. Lectr.

Economics

Whyte, W. H., M.A. Leeds Prof.
 Dickinson, H. D., M.A. Camb.
 Sr. Lectr.

Shannon, H. A., B.Com.Sc. Belf.,
 B.Sc.(Econ.) Lond. Sr. Lectr.
 Dawe, C. V., M.Com. Leeds, Ph.D.
 (Agricultural E.) Sr. Lectr.
 Magee, B., B.Com. Lond. (Ac-
 countancy) Lectr.
 Fleming, J. M., B.Com.Sc. Belf.
 Asst. Lectr.
 Milne, R. S., M.A. Ox. Asst. Lectr.
 Cornwell, S. V. P., M.A. Ox.
 (Accountancy) Asst. Lectr.
 Madge, J., M.A. Camb.
 Res. Fellow.
 Liepmann, Kate, Ph.D. Lond.
 Res. Fellow.
 Bracey, H. E., M.Sc. Lond.
 (Social Studies) Res. Fellow.
 Phelan, A. J., M.A. N.U.I.
 Jr. Fellow
 Rogers, Beryl D., B.A. (Social
 Reconstruction) Res. Asst.

Education, v. also infra Assoc. Instns.

Fletcher, B. A., M.A., B.Sc. Lond.
 Prof.
 Whitwill, Gladys C., M.A.
 Sr. Lectr.
 Humphreys, D. W., M.A. Lond.
 Sr. Lectr.

Lecturers

Pilley, J. G., M.A. Ox.
 Pye, Margaret W., B.A., Ph.D.
 Lond.
 Jarman, T. L., M.A., B.Litt. Ox.,
 A.M. Harv.
 Pym, Dora O., M.A. Camb.
 Fraymouth, J., M.Sc. Lond.
 Sutherland, J. K., B.Sc. (Econ.)
 Lond.
 Wright, Daisy E., B.A.

Special Lecturers

Barnard, Elsie I.
 Edminson, Vera L., M.A. Camb.
 Humphreys, Mary E., B.A. Manc.
 May, Dorothy E.
 Morgan, Gladys M., M.A. Ox.
 Mumford, Sheila C., B.A., Ph.D.
 Lond.

Parrott, Winifred V., B.A.
 Smith, D. P., B.Sc. Lond.
 Symons, Doreen I.

Asst. Lecturers

James, W. S., M.Sc. Lond.
 Wentworth, R. A. L., M.A.
 Geneva, Ph.D. Rome.
 Vinicombe, Ellen J., M.A. Camb.
 Beverstock, A. G., M.A., B.Sc.
 Lond. Res. Fellow.

Engineering, v. infra

English

James, D. G., M.A. Wales
 Winterstoke Prof.
 Birkhead, Edith, M.A. Liv.
 Sp. Lectr.
 Needham, H. A., M.A. Birm.,
 D. de l'U Paris Sr Lectr.
 Tucker, Susie I., M.A. Ox. Lectr.
 Brett, R. L., B.A., B.Litt. Ox. Lectr.
 Goldsmith, Margaret E., B.A.
 Lond. Asst. Lectr.
 Cottle, A. B., M.A. Wales
 Asst. Lectr.
 Gifford, C. H., M.A. Ox.
 Asst. Lectr.
 Reynolds, A. B., B.A.
 Asst. Lectr.

French, v. also Engin.

Stewart, W. M., M.A. Dub. Prof.
 Warne, F. J., B.A. Lond. Sr. Lectr.
 Gould, S. C., B.Litt. Ox., B.A.
 Lectr.
 Mason, Germaine M. S., M.A.,
 L. ès. L. Asst. Lectr.
 Morrison, Mary G., M.A. Aberd.,
 Ph.D. Camb. Asst. Lectr.
 Michel, Geneviève C. O., L. ès L.
 Lectrice.

Geography

Jervis, W. W., D.Sc. Durh. Prof.
 Walker, F., M.A. Liv. Lectr.
 Hannell, F. G., B.Sc. Lectr.
 Morris, F. G., M.A. Ox. Lectr.
 Kendall, O. D., M.A. Camb.
 Sp. Lectr.
 Graves, A. M., B.Sc. Demr.

Geology

Whittard, W. F., D.Sc. Lond.,
 Ph.D. Lond. and Camb
 C. Wills Prof.
 Smith, S., M.A. Camb., D.Sc.
 Durh. (Palæontology) Reader.
 Turner, H. W., M.A. Ox. Lectr.
 Temperley, B. N., B.Sc., Ph.D.
 Durh. Lectr.
 Loupekine, I. S., B.Sc. Lectr.
 Wallis, F. S., D.Sc., Ph.D.
 (Sedimentary Petrol.)
 Sp. Lectr.
 Donovan, D. T., B.Sc. Asst. Lectr.

German, v. also Engin.

Closs, A. M., M.A., D.Phil. Graz.
 Hd. of Dept., Reader.
 Morgan, Estelle, M.A., Ph.D. Edin.
 Lectr.
 Goodbody, Margaret, M.A.
 Asst. Lectr.
 Bangerter, A., Ph.D. Bern.
 Lektor

Hebrew

1 Recognized Teacher.

History

Douglas, David, M.A. Ox. Prof.
 MacInnes, C. M., M.A. Ox.
 (Imperial H.) Prof.
 Butcher, Emily E., M.A. Lectr.
 Jones, F. C., M.A., Ph.D. Lectr.
 Sharp, Margaret, Ph.D. Manc.
 (Medieval H.) Lectr.
 Evans, E. W., B.A. Ox.
 (Colonial H.) Lectr.
 McGrath, P. V., B.A. Lond.
 Asst. Lectr.
 Ross, C. D., B.A. Ox. Asst. Lectr.

Law

Lewis, M. M., M.A., LL.B. Camb.
 Prof.
 Veale, E. W. W., LL.D. Lond.
 (Legal History) Reader.
 Bain, K., LL.B. Lond. Lectr.
 Forrest, G. A., M.A. Ox. Lectr.
 Pitt, F. W. C., LL.B. Lectr.

Mackeson, J. F., B.A. Camb.

Lectr.

Mathematics, Applied

Shepherd, W. M., D.Sc. Lond

(Elasticity) Reader.

Newing, S. T., B.Sc. Lond. Lectr

Gaydon, F. A., B.Sc. Lond.,

F.R. Met. S. Lectr

Mathematics, Pure

Hassé, H. R., M.A. Camb., D.Sc.

Manc. H. O. Wills Prof.

Heilbronn, H. A., M.A. Camb.,

Ph.D. Gottingen Reader.

Todd, H., B.A. Camb. Lectr.

Vint, J., M.A. Belf. Lectr.

Linfoot, E. H., D.Phil. Ox. Lectr.

Mostyn, J. G., B.Sc. Liv

Asst. Lectr.

Shepherdson, J. C., B.A. Camb.

Asst. Lectr.

Thurston, H. A., M.A. Camb.

Asst. Lectr.

Medicine, v. infra

*Metallurgy, v. Engin.—Chem.
and Metall.*

Music

Stanton, W. K., M.A., D.Mus. Ox.

Stanley Hugh Badock Prof.

Oriental Languages

O'Leary, De L., M.A., D.D. Dub.

(Aramaic and Syriac)

Sp. Lectr.

Philosophy

Field, G. C., M.A., D.Litt. Ox.

Prof.

Carré, M. H., M.A. Ox. Sr. Lectr.

Drew, G. C., B.A.

(Psychol.) Lectr.

Macleod, J. Winifred, M.A. Glas.,

B.Litt. Ox. Sp. Lectr.

Körner, S., Ph.D. Camb.

Asst. Lectr.

Bowyer, Laura R., M.A., Ed.B.

Glas., B.Sc.(Econ.) Lond.

(Psychol.) Asst. Lectr.

Physics, v. also Chem., Physical

Tyndall, A. M., D.Sc. Lond. and

Brist., F.R.S.

H. O. Wills Prof.

Mott, N. F., M.A. Camb., F.R.S.

(Theoret. P.)

Melville Wills Prof.

Piper, S. H., D.Sc. Lond. Reader.

Powell, C. F., M.A., Ph.D. Camb.

Reader.

Fröhlich, H., D.Phil. Munich

(Theoret. P.) Reader.

Jackson, L. C., M.Sc. Lond., Ph.D.

Leiden Lectr.

H. H. Wills Research Fellow.

Burch, C. R., B.A. Camb., Ph.D.

Lond., F.R.S. Res. Fellow.

Lecturers

Potter, H. H., Ph.D. Lond., B.Sc.

Thompson, N., B.Sc., Ph.D. Sheff.

Mitchell, J. W., M.Sc. N.Z., Ph.D.

Ox.

McGill, D., M.Sc. Durh.

Gibbs, D. F., B.Sc. Lond.

Nabarro, F. R. N., M.A., B.Sc. Ox.

Devonshire, A. S., B.A., Ph.D.

G. A. Wills Res. Assoc.

Fertel, G. E. F., B.Sc. Lond.

G. A. Wills Res. Assoc.

Bates, W. J., B.Sc. Asst. Lectr.

Kay, H. F., M.Sc., Ph.D. Manc.

Asst. Lectr.

Tanfield, D. A., B.Sc. Demr.

Heitler, H. Res. Asst.

1 Recognized Teacher.

Physiology

Brocklehurst, R. J., M.A., D.M.,

B.Ch. Ox. Prof.

Wiltshire, Marion O. P., D.Sc.

Sr. Lectr.

Trowell, O. A., M.A., M.D.,

B.Chir. Camb. Reader.

Lecturers

Ashford, C.A., M.A., Ph.D. Camb.

Rogers, A. F., M.B., Ch.B.

Cole, Anne S., B.Sc. Lond.

Walder, D. N., M.B., Ch.B.

Barbour, R. F., M.A. Camb., M.B.,
Ch.B. Edin., F.R.C.P., D.P.M.
(Psychology).

Religious Knowledge

3 Recognized Teachers.

For Univ. Staff v. *infra* Assoc.
Instns.

Zoology

Harris, J. E., M.A., Ph.D. Camb.
Prof.

Jenkin, Penelope M., M.A. Camb.
Sr. Lectr.

Sloane, J. F., B.Sc. Glas. Lectr.

Kitching, J. A., M.A. Camb.,
Ph.D. Lond. Lectr.

Bassindale, R., M.Sc. Sheff. Lectr.

Crofton, H. D., B.Sc., Ph.D. Durh.
(Parasitol.) Lectr.

Burt, E. T., M.A. Camb., Ph.D.
Camb. (Entomol.) Lectr.

Matthews, L. H., M.A., Sc.D.
Camb. Res. Fellow.

Thomas, H. J., B.Sc., Ph.D. Demr.

Engineering

In the Technical College of the
Society of Merchant Venturers—
Principal of the College and Dean,
Fac. of Engin., Prof. A. Robert-
son, D.Sc. Edin., F.R.Ae.S.

Aeronautical Engineering

Collar, A. R., M.A. Camb., D.Sc.
Lond., F.R.Ae.S.

Sir George White Prof.

Black, J., M.Sc. Belf. Lectr.

Chemistry and Metallurgy

Dearden, W. H., M.Sc. Manc.
Lectr.

Civil Engineering

Pugsley, A. G., D.Sc. Lond.,
F.R.Ae.S. Prof.

Gibbs, E. F., M.Sc., Ph.D. Lond.
Sr. Lectr.

Elgood, W. N., B.Sc. St. And.
Lectr.

Electrical Engineering

Rawcliffe, G. H., M.A., D.Sc. O.
Proc

Holmes, S. Lect

Chard, F. de la C., M.Sc. Lond.
Lect

Russell, R. L., M.Sc. Leeds
Lect

*French and German for Engi
Students*

Bennett, Edith, M.A. Birm.
Asst. Lect

Mechanical Engineering

Morrison, J. L. M., B.Sc.
(Mech. E.) Proc

Graham, C. D., B.Sc. Lond.
Lect

Rogers, G. F. C., B.Sc. Lect

Crossland, B., B.Sc. Lond.
Asst. Lect

Medicine

(for subjects of first 2 yrs.—Anat
etc., v. *supra*)

Anæsthetics

Bradbeer, E. G., D.A.
Hd. of Dept., Lect

Woolmer, R., B.A., B.M., B.C.
Ox., D.A. Lect

Feneley, G. L., M.B., Ch.B., D.A.
(C)

Moore, R. H., M.B., Ch.B., D.A.
(C)

Gorham, A. P., M.B., Ch.B., D.
(C)

Taylor, J. T. C. (C)

Baxter, V. T., M.B., Ch.B., D.A.
(C)

Bacteriology, v. Pathology

Child Health

Neale, A. V., M.D. Birm., F.R.C.I.
D.P.H. Proc

Corner, Beryl, M.D., Ch.B. Lond.
(C.) Lect

(C.) = Clinical Teacher.

Diseases of the Skin

- Kingston, S. H., M.B., Ch.B.,
D.P.H. (C.).
Evans, C. D., O.B.E., B.A., M.B.,
B.Ch. Camb. (C.).
Samman, P. D., M.B., Ch.B. Camb
Tutor

Forensic Med.

- Gibson, C. R., M.B., Ch.B. Glas.
Lectr

Laryng., Rhin. and Otology

- Watson-Williams, E., M.B., B.Ch.
Camb., M.B., Ch.M.,
F.R.C.S.Ed.
Hd. of Dept., Lectr.
Scarff, G. R., M.B., Ch.B., F.R.C.S.
Ed. (C.).
James, J. A., M.D., B.S. Lond.,
M.B., Ch.B., F.R.C.S. (C.).
Ballantyne, J. C. Tutor.
Fairman, H. D., M.B., B.S. Lond.,
D.L.O. Tutor.

Medicine, v. also Path., Pharm.

- Perry, C. B., M.D., Ch.B., F.R.C.P.
Clin. Dean., Prof.
Clarke, R. C., M.B., Ch.B. Lectr.
Smart, G. A., M.D., B.S. Durh.
Lectr.
Campbell, A. M. G., D.M. Ox.
Lectr.
Davies, D. H., M.B., B.Ch. Wales
Lectr.
Birrell, J. A., M.D., B.S. Lond.
(C.).
Orr-Ewing, H. J., M.D. Lond.,
F.R.C.P. (C.).
Kersley, G. D., M.A., M.D. Camb.,
F.R.C.P.
(Physical Med.) Lectr.
Sparks, J. V., B.A. Camb.,
D.M.R.E. (Radio Diagnosis)
Lectr.
Sutton, G. E. F., M.D. Lond. (C.).
Steiner, G., M.D. Vienna, D.M.R.
(C.).

- Alexander, A. J. P., M.D., B.Ch.,
B.A.O. Belf. (Tuberculosis)
(C.).
Macrae, J., M.D., Ch.B. Glas.,
F.R.F.P.S., D.P.H. (Fever)
(C.).
Williams, N. V., M.B., Ch.B. Edin.,
D.P.H. (Tuberculosis) (C.).
Benn, J., M.D. Leeds Tutor.
Naish, J. M., M.A., M.B., B.Chir.
Camb. Tutor.
Tatlow, W. F. T., M.B., Ch.B.
Lond. Tutor.
Dyson, F. L., M.B., B.S. Lond.
Tutor.
Short, D. S., M.A., M.B., B.Chir.
Camb Tutor.
Fraser Roberts, J. A., M.A.
Camb., D.Sc., M.B., Ch.B.
Edin. (Human Genetics)
Sp. Lectr.
Golla, F. L., M.A., M.B., B.Ch.
Ox. (Exper. Neurol.)
Sp. Lectr.
Tovey, G. H., M.D. (Hæmatology)
Sp. Lectr.
Squire, D. A., M.B., Ch.B.
Res. Asst.
1 Recognized Teacher.

Obstetrics

- Smythe, H. J. D., M.D., M.S.
Lond., F.R.C.S., F.R.C.O.G.
Prof.
Hector, F. J., M.D., Ch.B.,
F.R.C.S. (C.).
Shepherd, H. L., Ch.M., M.B.,
F.R.C.O.G.
(Operative Midw.) Lectr.
Embrey, M. P., M.D., B.Sc. Wales,
F.R.C.S.Ed. Lectr.
Potter, Mabel F., M.D., Ch.B.,
F.R.C.O.G. (C.).
Phillips, P., M.Sc., M.D., Ch.B.
(C.).
Graham, A. M. Tutor.
Loxton, S. D., M.B., Ch.B. Tutor.

(C.)=Clinical Teacher.

Dunster, Marjorie O., M.D., B.S.
 Lond., M.B., Ch.B. Tutor.
 Anderson, S. C., M.B., Ch.B. Tutor.

Ophthalmology

Palin, Anthony, M.A., B.M., B.Ch.
 Ox., F.R.C.S.Ed.
 Hd. of Dept., Lectr.
 Jardine, P., F.R.C.S.Ed., D.O.M.S.
 (C.).
 Garden, R. R., M.A., M.B., Ch.B.
 Aberd., D.O.M.S. (C.).
 Clifton, F., M.A., M.B., B.Chir.
 Camb., D.O.M.S. (C.).
 Wear, A. R., M.B., Ch.B. Leeds
 Tutor.

Pathology and Bacteriology

Hewer, T. F., M.D. Prof.
 Fraser, A. D., M.A., B.Sc., M.B.,
 Ch.B. Glas., D.P.H. Lectr.
 Taylor, A. L., M.D., Ch.B. Leeds
 Lectr.
 Gillespie, W. A., M.A., M.D. Dub.,
 D.P.H. Lectr.
 McGowan, G. K., B.A. Ox., B.M.,
 B.Ch. Ox. Lectr.
 Crowther, S. T., D.P.H. Birm.
 (Bacteriology) Lectr.
 Norman, R. M., M.D., Ch.B.,
 D.P.M. Lond.
 (Neuropathol.) Sp. Lectr.
 Sandry, R. J., M.B., Ch.B.
 Asst. Lectr.
 Valentine, J. C., M.B., Ch.B.
 Asst. Lectr.
 Price, C. H. G., M.D., Ch.B.
 Res. Asst.

Pharmacology and Practical Pharmacy

Heller, H. S., M.B., B.Ch. Camb.,
 Ph.D. Prague
 Hd. of Dept., Reader.
 Baker, J. B. E., B.M., B.Ch. Ox.
 Lectr.
 2 Recognized Teachers in Pract.
 Pharm.

Physio-Therapeutics

Spoor, A. T., M.A. Camb. Lectr.

Preventive Medicine and Public Health

Parry, R. H., M.D., B.S. Lond.,
 F.R.C.P., D.P.H. Prof.
 Cooper, K. E., B.Sc., Ph.D. Leeds
 (Sr. Bacteriologist) Reader.
 Peters, B. A., B.A., M.D., B.Ch.,
 D.P.H. Camb. (Infectious
 Diseases) Reader.
 Hobson, W., B.Sc., M.D., D.P.H.
 Leeds
 (Chem. of Hyg.) Lectr.
 Woodman, Dorothy, M.Sc., M.D.,
 B.S. Lond. Lectr.
 Sr. Pathological Officer.
 Lewis, F. J. W., M.B., Ch.B.
 (Clin. Pathology) Lectr.
 Whittle, E. G., B.Sc., F.R.I.C.
 Lectr.
 Dembrey, I., B.Sc., F.R.I.C.
 Lectr.
 Mayr-Harting, Anna, M.D. Prague
 (Bacteriologist) Asst. Lectr.
 Fisher, G. G., B.Sc. Birm.
 Asst. to City Analyst.
 4 Recognized Teachers.

Psychiatry

Hemphill, R. E., M.A., M.D. Dub.,
 B.A.O., D.P.M.
 Hd. of Dept., Lectr.
 Barbour, R. F., M.A. Camb.,
 M.D., Ch.B. Edin., F.R.C.P.,
 D.P.M. (C.).
 Garmany, G., B.Sc., M.B., Ch.B.
 Manc., D.P.M. Asst. Lectr.

Surgery

Walker, R. Milnes, M.B., M.S.
 Lond., F.R.C.S. Prof.
 Adams, A. W., M.B., M.S. Lond.,
 F.R.C.S. (C.).
 Tasker, D. G. C., B.Sc., M.B., M.S.
 Lond., F.R.C.S. (C.).
 Eyre-Brook, A. L., M.B., Ch.B.,
 M.S. Lond., F.R.C.S. (Ortho-
 pædics and Fractures) Lectr.
 Cooke, R. V., M.B., Ch.M., F.R.C.S.
 (C.).

(C.) = Clinical Teacher.

- FitzGibbon, G. M., M.D. Lond ,
F.R.C.S. (C)
Jackman, W. A., M.B., Ch.B.
(C.) Lectr.
Paul, R. G., F.R.C.S. Ed. (Opera-
tive Surg.) (C.)
Pridie, K. H., M.B., Ch.B. (Ortho-
pædics and Fractures) Lectr.
Croot, H. J., M.B., B.S. Lond ,
F.R.C.S. Lectr
Miller, A., M.A., M.B., B.Chir
Camb., F.R.C.S. Lectr
Pocock, J. A., M.A., M.D. Camb ,
F.R.C.S. Lectr.
Capper, W. M., M.B., B.S. Lond.,
F.R.C.S. Lectr.
Belsey, R. H. R., M.B., M.S.
Lond , F.R.C.S. Sp Lectr.
Raban, J. P., D.M.R.E. (Radio-
therapy) Lectr
Tudway, R. C., B.Sc., M.B., B.S.
Lond., D.M.R. (Radiotherapy)
(C.)
Curwen, S., D.M.R.T. (Radio-
therapy) (C.)
Black, W. R., M.B., Ch.B. Edin.,
F.R.C.S. Tutor.
Bartlett, C. H., M.A., B.Chir
Camb., F.R.C.S. Tutor.
Lenton, P. H., M.A., M.B., B.Chir
Camb. F.R.C.S. Tutor.
Malcolm, J. E., B.Sc., M.B., Ch.B.
St. And., F.R.C.S. Tutor.
Penrose, J. H., B.A., M.B., B.Ch.
Camb., F.R.C.S. (Orthopædics)
Tutor.
- Venereal Diseases*
McLachlan, A. E. W., M.B., Ch.B.
Edin , D.P.H. Lectr.
Brown, D. D., M.D., Ch.B. Aberd.
(C.).
- Dentistry**
Children's Dentistry
Glen, J. H., L.D.S. Lectr.
Dental Anatomy
Snawdon, J. W. E., M.B., Ch.B.,
B.D.S. Lectr.
Dental Prosthetics
Chick, O. A., L.D.S. Asst. Lectr.
Dental Surgery
Darling, A. I., M.D.S. Durh
L.D.S. Prof.
Rigg, S. K., L.D.S. Lectr.
Simmonds, N. H., L.D.S. Lectr.
Wells, J., L.D.S., H.D.D. Edin.
Lectr.
Hogbin, F. R., L.D.S. Lectr.
Claremont, L. E., M.D.S. (D.
Materia Medica) Lectr.
Connor, D. C., L.D.S. Lectr.
McKeag, R. H., M.A., M.B., B.Ch.
Dub., B.A.O., B.Dent.Sc.
(D. Jurisprudence) Lectr.
Nicholas, P. M., B.D.S.
Asst. Lectr.
Davies, D. G., L.D.S. Tutor.
Saxton, R. S., L.D.S. Tutor.
- Orthodontics*
Johnson, W. T., L.D.S. Lectr.

University Extension

Director of Adult Education—Salt, W. E., O.B.E., M.A. Sheff.,
B.Com. Manc. Asst. to Director—Trump, H. J., M.A. Camb. Extra-
mural Lecturers : 33 members of the staff.

Resident Tutors : *Bristol*—Hopkins, P. W., B.A. ; Burton, J. C. G.,
M.A. Camb. ; Thomas, J. L., B.A. Lond. *Gloucestershire*—Taylor,
W. R., B.Sc. (Econ.) Lond. ; Tucker, H. F. G., M.A. ; Durham, I. L.,
M.A. Ox. *Somerset*—Cair, S. H., B.Sc. (Econ.) Lond. ; Marson, M. J.,
M.A. Camb. ; Hudson, A. K., M.A. Lond. *Dorset*—Ollett, F. A., M.A.
Camb. ; Clifford, Emma A. H., M.A. Reading. *Wilts*—Ross, H., B.A.
Lond. ; Cherrington, P., B.A. Camb. ; Hare, A., B.A. Lond.

(C.) = Clinical Teacher.

Social Work, Theory and Practice of—2 Recognized Teachers.

Training Course for Health Visitors—6 Recognized Teachers.

Physical Training

Jackson, J. G., M.A. Glas.
(Men) Lectr. and Instr.

George Hare Memorial Lecturer

1947-48—Mr Bernard Rackham,
M.A., "Chinese Ceramics"

Loveday Memorial Lecturer

1947-48—Sir Thomas Beecham.

Arthur Skemp Memorial Lecturer

(*English Literature, biennial*)

The next lecture will be delivered
in 1949.

Art Lecturers

1947-48—Mr. Mark H Thomas,
M.A., F.R.I.B.A. Mr. R. P.
Bedford, F.S.A. Mr. William
Coldstream. Mr. Claude
Rogers. Mr William John-
stone. Mr. Allan Gwynne-
Jones, D.S.O. "Art and the
Contemporary Artist." Mr.
J. E. Barton, M.A. "Path-
ways to Modern Sculpture"

ASSOCIATED INSTITUTIONS, in which specialized teaching
is given or facilities for research are afforded :—

Agriculture

LONG ASHTON RESEARCH STATION (Dept. of Agriculture and Horticulture),
Long Ashton, Bristol. Director and Univ. Prof. of Horticultural Chemistry :
T. Wallace, C.B.E., D.Sc. Durh. Staff with the standing of Sr. Lectrs. in the
Univ. : *Biochem.*—H. Martin, D.Sc. Lond. *Entomology*—H. G. Kearns, B.Sc.
Lond., Ph.D. Camb. *Mycology*—R. W. Marsh, M.A. Camb. With the stand-
ing of Lectrs. in the Univ. : *Agricultural Botany*—G. T. Spinks, M.A., Dip. Agr.
Camb. *Biochem.*—A. Pollard, M.Sc. Lond., Ph.D. Manc. *Pomology*—L. C.
Luckwill, B.Sc., Ph.D. ; E. W. Hobbs. *Plant Physiology*—W. E. Berry, B.Sc.,
Ph.D. *Domestic Fruit and Vegetable Preservation*—Alice Crang, B.Sc. Lond.
Chem.—C. Bould, M.Sc. Reading. *Organic Chem.*—A. H. Williams, M.A.,
B.Sc. *Fruit Products*—Margaret E. Kieser, B.Sc. *Microbiology*—S. W.
Challinor, B.Sc., Ph.D. Birm. *Mycology*—S. H. Crowdy, B.Sc. Lond. *Phys.*
Chem.—W. D. E. Thomas, B.Sc., Ph.D. Wales. 15 Research Assts.

CAMPDEN RESEARCH STATION, CAMPDEN, GLOS. For instruction and ex-
perimentation in fruit and vegetable preserving on a commercial scale. With
the standing of Sr. Lectrs. in the Univ. ; Director, F. Hirst, M.Sc. (*Micro-
Biol.*) ; W. B. Adam, M.A. (*Chem.*). With the standing of Lectr. in the Univ. :
T. G. Gillespy, B.Sc. (*Bacteriol.*), Research Assistant.

Domestic Science

GLOUCESTERSHIRE TRAINING COLLEGE OF DOMESTIC SCIENCE, GLOUCESTER.
For practical course for B.Sc. in Dom. Sci. Principal and Univ. Lectr. in
Dom. Sci., M. Burella Taylor, B.A. Staff with the standing of Teachers in the
Univ. : *Cookery*—Mollie Downes. *Dressmaking*—Irmgard B. Pick. *Laundry
Work*—Ethel Henney. *Needlework*—Margaret N. Pincott. *Sci. and Hygiene*
—Jessica D. Byett. *Household Management*—Marion Wilson.

NATIONAL TRAINING COLLEGE OF DOMESTIC SUBJECTS, 72-78 Buckingham
Palace Rd., London, S.W.1. For practical course for B.Sc. in Dom. Sci.
Principal and Univ. Lectr. in *Dom. Econ.*, Grace M. Eland. Staff with the

standing of Teachers in the Univ.: *Edn.*—Pattie Chart. *Edn. and Craft*—Kathleen J. Lough. *Home Management*—Gertrude E. Cottrell. *Laundry Work, etc.*—Hylda M. Lancaster. *Needlework*—Margaret L. Breukelman, Dorothy M. Howlett (*and Dressmaking*). *Sci.*—Hilda Shaw, B.Sc. Lond.; Patience Dumas, B.Sc. Lond. *Cookery*—Margaret M. Begg.

Theology (the following are members of the Univ. staff in Theol. subjects for the B.A.)

BAPTIST COLLEGE, BRISTOL Principal, Rev. A. Dakin, B.D. Lond., D.Th. Heid.; Rev. G. H. Davies, M.A., B.D., Wales, B.Litt. Ox.

WESTERN COLLEGE, BRISTOL Principal, Rev. H. F. Lovell Cocks, M.A., D.D.; Rev. W. J. Downes, M.A., B.D.

THEOLOGICAL COLLEGE, SALISBURY. (Closed for the present.)

ST. BONIFACE MISSIONARY COLLEGE, WARMINSTER. (Closed for the present.)

DIDSBURY COLLEGE, BRISTOL Principal, Rev. W. Bardsley Brash, M.A., B.Litt., B.D.; Rev. J. Findlay, M.A., D.D.; Rev. Frederic Greeves, M.A.

GENERAL INFORMATION

The Bristol Medical School, founded in 1833, merged with the University College which was established in 1876. The College was dissolved and the University received its Charter in 1909. Its main buildings, opened in 1925, occupy a commanding site between the City and the residential districts, cost £500,000; the H. H. Wills Physics Laboratory, opened in 1927, cost £200,000. The Faculty of Engineering is housed in the Merchant Venturers' Technical College, and a grant for the maintenance of the Faculty is made by the Society of Merchant Venturers. Canynge Hall, within easy reach of the University, accommodates the Departments of Preventive Medicine and Pathology.

LIBRARIES, 148,750 vols. LABORATORIES: Scientific, Medical, and Engineering, all equipped for purposes of research. Hospitals available for clinical study, Bristol Royal Hospital (682 beds); Bristol Royal Hospital for Sick Children and Women (103); Bristol Eye Hospital (76); Southmead Hospital (575), in all, 1436 beds.

FACULTIES AND DEANS. Arts, Prof. W. Beare (Latin); Science, Prof. W. F. Whittard (Geol.); Medicine, Prof. C. B. Perry (Med.); Engineering, Prof. A. Robertson (Eng.); Law, Prof. M. M. Lewis (Law).

DEPARTMENTS. Education (places for approx. 300 men and women students); Agriculture and Horticulture; Preventive Medicine.

ADMISSION. See Appendix I.

DEGREE COURSES. B.A., B.A. (Com.), B.Sc., B.Sc. in Engineering, LL.B.—3 yrs., including at least 2 in the Univ.; Honours in Arts (General and Special degrees), Pure Science and General Science—4 yrs., except for those who enter with Higher School Certif.; B.Sc. in Domestic Science—4 yrs.; by research in case of a graduate of another Univ.—2 yrs.; M.B., Ch.B.—5 yrs., after passing a Prelim. Science examn. in Chem. and Physics; B.D.S.—4½ yrs., after passing a Prelim. Science examn. in Chem. and Physics, including at least 3 in the Univ.

Instruction given in Theological subjects in the Associated Colleges to undergraduates of the Univ. by the Principal or teachers mentioned above

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is, for the purpose of the B.A. degree, deemed to be given in and by the Univ.

HIGHER DEGREES. M.A., D.Litt.; M.Sc., D.Sc. (in Pure Sci. or Engineering); Ch.M., M.D.; LL.M., LL.D.; Ph.D. (see p. 15). Graduates of other Univs. are placed practically on the same footing as graduates of Bristol as regards facilities for proceeding to all these except the Medical Degrees. Candidates who graduate with Honours in Science may take the M.Sc. one yr. later. Otherwise the Mastership is not granted within 2 yrs. after graduating. The M.D. may be taken 2 yrs. after graduating in Med., the D.Litt. 4 yrs. after the M.A., and the D.Sc. 4 yrs. (3, if devoted to original work in the Univ.) after the M.Sc. The LL.M. 2 yrs., the LL.D. 4 yrs. after graduating.

DIPLOMAS. Education (postgraduate) 1 yr., Public Administration 2 yrs., Youth Service 2 yrs., L.D.S. 4 yrs., Public Health 9 to 18 mos., Psychological Medicine 6 mos., Medical Radiodiagnosis 18 mos., Medical Radiotherapy 2 yrs., Engineering 3 yrs.

CERTIFICATES. Testamur in Social Study, 2 or (Higher Testamur) 3 yrs., Testamur in Bacteriology and Microbiology (postgraduate), 1 yr., Midwife Teachers', 9 mos.

FEES. Matricn., 3 gs.; Registration, £1:10s.; Tuition, annual, B.A., B.A. (Theology), B.A. (Com.), £33:19s.*; B.Sc., B.Sc. (Dom. Sci.), £39:4s.*; B.Sc. in Engin., £49:14s.*; LL.B., £32:18s.*; M.B., Ch.B., entire curriculum, £262:10s.*; B.D.S., including mech. lab. and hospl. practice, £249:18s.*; Testamur in Social Study, 2 yrs., £49*; Dip. in Education, 1 yr., £32:18s.; Dip. in Public Admin., 2 yrs., £21; Dip. in Dental Surgery, including mech. lab. and hospl. practice, £238*; Dip. in Public Health, £52:10s.; Dip. in Psychological Med., £32:11s.; Dip. in Med. Radiodiagnosis, £52:10s.; Diploma in Med. Radiotherapy, £52:10s.; Midwife Teacher's Certif., 9 mos., £6:6s.; Training Course for Health Visitors, 6 mos., 10 gs.; Examination and degree fees: B.A., £9:18:6; B.Sc., LL.B., £13:1:6; M.B., Ch.B., £22:10:6; B.D.S., £27:5s.; M.A., M.Sc. and LL.M., 9½ gns.; Ch.M., M.D.S., 24 gs.; M.D., 24 gs.; LL.D., 24 gs.; Ph.D., 13 gs. Univ. Union, £3:10s. per annum. Home Students' Societies, 10s. 6d.

RESEARCH. The Colston Research Society devotes the proceeds of an annual collection to the promotion of Research in the Univ.

SCHOLARSHIPS FOR GRADUATES. Graduate Scholarships for Research (total not exceeding £2000 p.a.), value £85 to £150 each; Studentship in Philosophy, £100; 2 Fellowships for Medical Research, £100 each; Fellowship for Industry or Agriculture, £125; Fellowship for Rheumatism, £500; Fellowship for Economics, £600; Fellowships for Inorganic and Physical Chemistry, £1200; Studentship in Neurology and Psychiatry, £104. Scholarships: £80 for Chemical research; £52 for Chemical Metall. research; £40 and £31 (women only); £30 for study in English Lit. The Michael Hiatt Baker Scholarship, £200 p.a. for 2 yrs., is open to graduates from New Zealand.

RESIDENCE. Wills Hall (Warden: O. D. Kendall, M.A.), Burwalls (Warden: J. F. Sloane, B.Sc.), and Wraxall Court (Warden: J. K. Sutherland, B.Sc. Econ.), for men—from £94 p.a.; Clifton Hill House (Warden: J. Winifred Macleod, M.A., B.Litt.) and Manor Hall (Warden: Gladys M. Morgan, M.A.) for women students—£85 p.a.

APPOINTMENTS BOARD. Secy., P. L. Vining. Victoria Rooms, Bristol 8.

For FORMER STUDENTS there is an Association of Alumni. Secretary—Mrs. I. A. Warne.

* Includes Union fee.

ADULT EDUCATION. Organized through University Dept. of Adult Education. Schemes of co-operation with all Education Authorities in Univ. region, and with Rural Community Councils of Somerset and Gloucestershire. Joint scheme for Dorset in collaboration with Univ. College, Southampton. 3 Resident Tutors organize Univ. activities in each county. 2 Resident Tutors are responsible for work in city of Bristol.

STUDENT HEALTH SERVICES. Students admitted to the Univ. are required to undergo a Medical examn. in each of their undergraduate years. The examns. will be conducted by Medical Officers appointed by the Univ. and are free of cost to students. The Medical Officers are available also for free consultation and advice to students in health matters, but they will not give treatment. The Univ. has provided Woodland House, West Park, Bristol 8, near the Union and the main Univ. buildings, for physical training and quick-time exercises.

PUBLICATIONS. *Calendar* (Oct.); Faculty Prospectuses issued in June; Annual Report of Council; Handbook and Directory of Adult Education, Public Lectures, Halls of Residence, Regns. for Matricn. and for School Certif. Examns. (*Examn. Papers*, 1s. 9d. per set post free); Students' Mag., *Nonesuch*, 1s.

THE YEAR 1946-47

BENEFACTIONS. Gift of £5000 from Mrs. Wynne Willson (a daughter of the late Sir George Wills) to augment the Scholp. Fund establd. by her sister, the late Miss Hilda Wills; legacy of £500 from the late Dr. Russell Cooper (formerly Clinical Teacher in Anaesthetics) to provide a prize to be awarded annually to the medical student considered to be most proficient in Anaesthetics; legacy of £1200 from the late Mrs Margaret Helen Thomas to endow a G. D. Thomas Scholp.; Monsanto Chemicals Ltd., £1500 per annum, for assisting research in the Depts. of Phys. Chem. and Org. Chem., and the foundation of Monsanto Scholps.; grant of £600 from the Imperial Chemical Industries Ltd., for research in the Depts. of Chemistry; grant from Ernoid Ltd., to enable members of its staff to enter the Univ. The Department of Scientific and Industrial Research has increased its annual grant to the Research Station at Chipping Campden by £500 per annum. It has also made grants of £21,000 for a period of five yrs. towards the cost of equipment and staff for Nuclear Research in the Dept. of Physics and of £1230 for research on the Mass Spectrograph in the Dept. of Chem. Legacy of £500 from the late Mr. C. M. Barker of Clevedon, and gifts of £50 from Mr. A. A. Dyke and £25 from Mr. W. H. Brimelow, 14 gs. from the Norton St. Philip Institute, 5 gs. from Mrs. M. F. Jackson, 5 gs. from Mr. G. Marfell, towards the Univ. Cancer Research Fund. Grant of £100 from the Royal Society for research in Pharmacology. Grant of £300 p.a. for a period of three yrs. from the Bristol and West of England Zoological Soc. for the establishment of a Research Fellowship in Vertebrate Zoology. The National Association of Local Government Officers made a grant of £50 towards the cost of courses for the Diploma in Public Admin. The Institute of Chartered Accountants made a grant of £250 in connexion with a special curriculum in accountancy for the degree of B.A. (Com).

NEW BUILDINGS. Progress has been made with the provision of accommodation for the Depts. of Medicine and Surgery at the Bristol Royal Hospital and for a Clinical Photographic Unit in Maudlin Street. Work has also started on the Refectory on the Museum site.

NEW POSTS. Professorships in Child Health, Dental Surgery. Readership in Physiol. (for present Lectureship). Senior Lectureships in Org. Chem.; Education; Civ. Engin. (for present Lectureship). Lectureships in Chem. (for

present Asst. Lectureship); Ancient Hist.; Drama; Geology (for present Asst. Lectureship); Law; Applied Maths.; Medicine; Pharmacol.; Preventive Med. (for present Asst. Lectureship); Surgery (for present Tutorship); Children's Dentistry; Plant Physiology. Special Lectureships in Education; Neuropathol. Research Fellowship in Social Study. Junior Fellowship in Economics. Clinical Teacherships in Fevers; Tuberculosis; Ophthalmol.; Radiotherapy. Asst. Lectureships in Anat. (for present Demonstratorship); Chem.; Classics; Accountancy; Education; English; Hist.; Maths. (Pure); Psychol.; Physics. Tutorships in Diseases of the Skin; Laryngol.; Med.; Ophthalmol.; Surg.; Dent. Surg.; Adult Education. Demonstratorship in Geog.

OTHER DEVELOPMENTS. The establishment of full-time Chairs of Child Health and Dental Surgery, and the establishment of two new Depts., of Drama and of Children's Dentistry.

CHANGES IN REGULATIONS. Ordinances have been extended, establishing an Institute of Education. The objects of the Institute are the furtherance of the training of teachers, youth leaders and others intending to engage in educational work, and the advancement of Education in the Counties of Gloucestershire, Somerset and Wiltshire and the Cities of Bath, Bristol and Gloucester. Minor changes have been made in the regns. for B.A., B.Sc., M.B., Ch.B., B.D.S. and L.D.S. and Matriculation regns.

EXTRA-MURAL WORK. Univ. Tutorial and Session Classes, Univ. Courses and Short Courses in Bristol, Gloucestershire, Somerset, Wiltshire and West Dorset; 12 Tutorial Classes, 46 Sessional Classes, 56 Univ. Courses and 29 Short Courses. Special short courses and lectures organized by Resident Tutors in rural areas and in Bristol, in conjunction with Rural Community Councils and Advisory Committees; 143 Short Courses, 16 One-day schools, 347 single lectures were held in approximately 50 centres in Bristol, 74 centres in Gloucestershire, 90 centres in Somerset, 29 centres in Wiltshire, 21 centres in Dorset. Two series of Public Evening Lectures in the Univ.

RETIREMENTS. O. C. M. Davis (Forensic Med.), Duncan Wood (Surg.), G. F. Fawn (Dent. Surg.), Ivor Fox (Bursar).

RESIGNATIONS. Anne Crawford (Maths.), H. Tout (Econ.), S. J. Jones (Geog.), H. S. Offler (Hist.), Jean M. Fry (Bot.), E. Booth (Physics), Gladys I. Harper (Physics), R. Sack (Physics), G. T. Young (Chem.), R. Dickson (Chem.), D. Woodcock (Org. Chem.), H. Caplin (Pathol.), I. G. Davies (Pub. Health), R. R. Dickson (Anas.), J. L. Emery (Pathol.), R. C. M. Hadden (Radiol.), Catherine J. McLaren (Dis. of the Skin), A. G. H. Michinson (Anat.), Margaret H. Pond (Anat. and Pathol.), W. W. Pratt (Anas.), D. N. Ross (Med.), M. Symons (Pathol.), Joyce Baker (Bacteriol.), J. L. Elliott (Anat.), E. R. Chambers (Ophthalmol.), N. C. McLetchie (Pathol.), J. Smythe (Preventive Med.), F. G. Bergin (Radiol.), D. F. MacDonald (Radiol.), N. H. Kettlewell (Dent. Surg.).

DEATHS. Emeritus Prof. J. F. Dobson (Greek), Dr. S. B. Adams (Radiol.), F. E. Needs (Chem. of Hyg.), Dr. Wynne Willson (Hon. Graduate), Prof. Paul Langevin (Hon. Graduate), Hon. John G. Winant (Hon. Graduate).

STUDENTS. Total: 2230; full-time: 1733; part-time: 497; the total includes 880 women and 131 postgraduates.

DEGREES OBTAINED. B.A., 15; B.A. Hons., 62; B.A. (Com.), 2; M.A., 2; M.A. Educ., 1; Ph.D., 1; LL.M., 1; B.Sc., 48; B.Sc. Hons., 70; B.Sc. (Dom. Science), 6; M.Sc., 1; Ph.D., 5; M.B., Ch.B., 28; M.B., Ch.B. Hons., 1; B.D.S., 3; M.D., 1; B.Sc. Eng., 42; B.Sc. Eng. Hons., 15; M.Sc. Eng., 5; D.Sc. Eng., 2.

UNIVERSITY OF CAMBRIDGE

Founded in the XIIth century

CHANCELLOR—Field Marshal Rt. Hon. J. C. SMUTS, O M., C.H., C. Lég.
d' H., C.G., LL.D., F.R.S.

VICE-CHANCELLOR—Rev. Prof. C. E. RAVEN, D.D., Master of Christ's
College.

HIGH STEWARD—His Grace THE DUKE OF DEVONSHIRE, LL.D. Trinity.

DEPUTY HIGH STEWARD—Rt. Hon. BARON WRIGHT OF DURLEY, M.A.,
LL.D. Trinity.

COMMISSARY—Rt. Hon. Sir M. M. MACNAGHTEN, K B.E., K C., M.A.
Trinity.

PROCTORS—J. H. PARRY, M A., Ph.D. Clare; P. H. BLAIR, M.A.
Emmanuel.

ORATOR—W. K. C. GUTHRIE, M.A. Peterhouse.

REGISTRARY—W. W. GRAVE, M.A., Ph.D. Emmanuel.

FIRST ASSISTANT REGISTRARY—H. KIDD, M.A. Sidney Sussex.

ASSISTANT REGISTRARIES—H. CLAYE, M.A. Gonville and Caius; L. M.
HARVEY, M.A. St. Catherine.

SECRETARY GENERAL OF THE FACULTIES—J. T. SAUNDERS, M.A.
Christ's.

ASSISTANT SECRETARY GENERAL OF THE FACULTIES—W. J. SARTAIN,
M.A. Selwyn.

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ASSISTANT TREASURER—C. R. MACDONALD, M.A. Gonville and Caius.

REPRESENTATIVES IN PARLIAMENT—K. W. M. PICKTHORN, M.A.,
Litt.D. Corpus Christi; H. W. HARRIS, M.A. St. John's.

WELFARE OFFICER FOR UNIVERSITY ASSISTANTS—W. J. N. WARNER,
M.A. St. John's.

DRAFTSMAN—A. W. HAZLERIGG, M.A. Clare.

NOTE. The Colleges and Heads of Colleges are given on pp. 64 ff.

Telephone : Registry—Cambridge 54451.

TEACHING STAFF

<i>Aeronautics</i> , v. Engineering	Davies, D. V., M.A. Joh.	Lectr.
<i>Agriculture</i> , v. <i>infra</i>	Green, H. L. H. H., M.D. Sid.	
<i>Anatomy</i> , v. also Zool.		Lectr.
Harris, H. A., D.Sc., M.D. Lond.,	Bull, M. M., M.A., M.B., B.Ch.	
B.Sc. Wales, M.A. Joh. Prof.	Qu.	Demr.

Butler, H., B A., M B , B Ch Qu
Demr.
Davies, J. Demr.
Edwards, D A W , M.A , M.B ,
B.Ch. Chr. Demr.
Harty, M., M B., B.Ch. Dub.
Demr.
Powell, T. P. S., M.B., Ch B
Edm. Demr.
Wright, G. H., M.A. King's Demr.

Anglo-Saxon, etc.

Dickins, B., M.A. Corp. Prof.
de Navarro, J. M., M.A. Trin.
Lectr.
de Navarro, Mrs A. D. M., Ph D
Newn. Lectr.
Blair, P. H., M.A. Emm. Lectr.
Bromwich, Mrs. R S., M.A.
Newn. Fac. Asst. Lectr.

Anthropology

..... Lectr.
Trevor, J C., B.Sc. Ox , M.A.
Emm. Lectr.

Anthropology, Social

Hutton, J. H., D.Sc Ox., M.A
Cath. William Wyse Prof.

Arabic, v. Oriental Langs.

*Archæology, v. also Classical A.,
Classics, Oriental Langs.*

Garrod, Dorothy A. E., M.A.
Newn. Disney Prof.
Burkitt, M. C , M.A. Trin. Lectr.
Clark, J. G. D., M.A., Ph.D. Pet.
Lectr.
Daniel, G E , M A., Ph.D. Joh.
Fac Asst. Lectr.

Architecture

Macgregor, J , M A Manc., M.A.
Qu., Director, Sch of Arch.

Lecturers

Bicknell, P., M.A. Jes.
Dyson, W. P., M.A. Trin.
Tomlinson, H., M.A. Chr.
Webb, Prof. G F , M.A. Magd.

Faculty Asst. Lectrs.

Bennett, J. S. W., M.A. Down.
Roberts, D. W.

Art

Webb, G. F., M.A. Magd.
Slade Prof. of Fine Art
and Lectr.

Assyriology, v. Oriental Langs.

*Astronomy and Experimental
Philosophy*

Jeffreys, H , M A. Joh.
Plumian Prof
..... John Couch Adams
Astronomer

Astron. & Geom.

Hodge, W. V. D., M.A Pemb.,
F.R.S. Lowndean Prof

Astrophysics

Redman, R. O., M A., Ph D Joh
Prof , Dir. Observatories.
Thackeray, A. D., M.A , Ph.D.
King's
Asst. Dir., Solar Physics Obs.
Wormell, T. W., M.A., Ph.D. Joh.
Obs. in Meteorological Phys.

Assistant Observers

Butler, H. E., M.A. Emm
Yates, G. G., M.A. Jes.
Pierce, E. T., Cai.
Brown, A., Ph.D. Trin.
Beer, A., Ph D. Berlin.

Biochemistry

Chibnall, A. C , Sc.D. Cla.
Sir W. Dunn Prof.
Needham, N. J. T. M., M.A.,
Ph.D., Sc.D. Cai.
Sir W. Dunn Reader.
Dixon, M., Ph.D., Sc.D. Emm.
(Enzyme) Reader.
Greville, G. D., M.A. Emm. Lectr.
Bell, D. J., M.A. Jesus Lectr.
Baldwin, E. H. F., B.A., Ph.D.
Joh. Lectr.
Harrison, K. P., M.A. King's
Demr.

Watchorn, Elsie, Ph.D. Newn.

Demr.

Bacon, J. S. D., M.A., Ph.D. Tr.H.

Demr.

Webb, E. C., M.A. Cla. Demr.

Biology

Keilin, D., M.A. Magd., F.R.S.

Dir. of Molteno Inst. of
Biology and Parasitol.,
Quick Prof.

Tate, P., Ph.D. Chr. (Parasitol.)

Lectr.

Botany, v. also Agric.

Brooks, F. T., LL.D. St. And.,
M.A. Emm., F.R.S. (to
30.9.48) Prof

Briggs, G. E., M.A. Joh. (Plant
Physiol.) Prof.

Thomas, H. H., Sc.D. Down.,
F.R.S. (Plant Morphol.)

Reader.

Maskell, E. J., M.A., Ph.D. Emm.,
F.R.S. (Plant Physiol.).

Reader

Lecturers

Catcheside, D. G., M.A. King's.

Gilbert-Carter, H., M.A. Trin.

Godwin, H., M.A., Sc.D. Cla.

Dowson, W. J., M.A. Chr. (Mycol.).

Watt, A. S., B.A., Ph.D. Down.
(Forest Bot.)

Richards, P. W., M.A., Ph.D.
Trin.

Evans, G. C., M.A., Ph.D. Joh.
(Plant Physiol.).

Demonstrators

Whitehouse, H. L. K., M.A. Qu.

Rishbeth, J., M.A. Chr.

Sporne, K. R., M.A. Down.

Chemistry, v. also Biochem., Physiol. and Theoret. Chem.

Todd, A. R., M.A. Chr.

(Organic) Prof.

Mann, F. G., Ph.D., Sc.D. Trin.

(Organic) Reader

Emeléus, H. J., M.A. Sid.

(Inorganic) Prof.

Lecturers

Berry, A. J., M.A. Down.

Kipping, F. B., M.A., Ph.D.
Trin.

Lythgoe, B., M.A. Cai.

Palmer, W. G., M.A., Sc.D. Joh

Stockdale, D., M.A., Ph.D., Sc.D.
King's.

Maitland, P., Ph.D. Jes.

Saunders, B. C., M.A., Ph.D.
Magd.

Demonstrators

Kenner, G. W., Ph.D. Tr. H.

Harley-Mason, J., M.A. Corp.

Sykes, P., Ph.D. Cla.

Chemistry, Physical

Norrish, R. G. W., B.A., Ph.D.,
Sc.D. Emm., F.R.S. Prof.

Bowden, F. P., Ph.D., Sc.D. Cai.
Reader.

Tabor, D., Ph.D. Cai (Friction and
Lubrication)

Asst. Director of Research

Dainton, F. S., Ph.D. Cath.

H. O. Jones Lectr.

Moelwyn-Hughes, E. A., Ph.D.
Corp. Lectr.

Ashmore, P. G., M.A. Emm. Demr.

Sugden, T. M., M.A. Pemb. Demr.

Roughton, F. J. W., M.A., Ph.D.
Trin. (Colloid Science)

J. H. Plummer Prof.

Agar, J. M., M.A., Ph.D. Sid.

Demr.

Alexander, A. E., M.A., Ph.D.
King's

(Colloid. Sci.) Asst. Dir.
of Res.

Schulman, J. H., Ph.D., Sc.D.
Trin. H. (Colloid Sci.)

Asst. Dir. of Res.

Sutherland, G. B. B. M., Ph.D.
Pemb. (Spectroscopy)

Reader.

Chemistry, Theoretical

Lennard-Jones, Sir J. E., D.Sc
Manc., Sc.D. Corp., F.R.S.

J. H. Plummer Prof.

Classical Archaeology

- Lawrence, A. W., M.A. Jes.
 Laurence Prof.
 Cook, R. M., M.A. Cla.
 Laurence Reader.

Classics

- Robertson, D. S., M.A. Trin. (Greek)
 Reg. Prof.
 Mynors, R. A. B., M.A. Pemb.
 (Latin) Kennedy Prof.
 Gow, A. S. F., M.A. Trin
 Brereton Reader.
 Charlesworth, M. P., M.A. Joh.
 (Anc. Hist.) Laurence
 Reader.
 Guthrie, W. K. C., M.A. Pet.
 P. M. Laurence Reader.

Lecturers

- Camps, W. A., M.A. Pemb.
 Deas, H. T., M.A. Cai.
 Gardner, R., M.A. Emm.
 Gow, A. S. F., M.A. Trin.
 Griffith, G. T., M.A. Cai.
 Guthrie, W. K. C., M.A. Pet.
 Hamilton, W., M.A. Trin.
 Hammond, N. G. L., M.A. Cla.
 Howland, R. L., M.A. Joh.
 Jolliffe, Norah C., M.A. Girton.
 Lee, H. D. P., M.A. Corp.
 Lucas, D. W., M.A. King's
 Papastavron, S. J., M.A. Pemb.
 (Lewis Gibson Lectr. in Mod.
 Gk.).
 Peck, A. L., M.A., Ph.D. Chr.
 Rattenbury, R. M., M.A. Trin.
 Sandbach, F. H., M.A. Trin.
 Seltman, C. T., M.A. Qu.
 Toynbee, Jocelyn, M.A. Newn.
 Wilkinson, L. P., M.A. King's.
 Faculty Asst. Lectr.
 Beattie, A. J., M.A. Sid.

Crystallography, v. Physics*Divinity*, v. also Orient. Langs.

- Marsh, Rev. F. S., M.A. Selw.
 Lady Margaret's Prof.
 Dodd, Rev. C. H., D.D. Aberd.,
 M.A. Jes. Norris-Hulse Prof.

- Raven, Rev. C. E., D.D. Chr.
 Reg. Prof.
 Sykes, Rev. N., M.A. Emm.
 (Eccles. Hist.) Dixie Prof.

Lecturers

- Burnaby, Rev. H., M.A. Emm.
 Burnaby, Rev. J., B.D. Trin
 Gardner-Smith, Rev. P., M.A.,
 B.D. Jes.
 Hart, Rev. H. St. J., M.A. Qu.
 Heard, Rev. R. G., M.A. Pet.
 Moule, Rev. C. F. D., M.A. Cla.
 Schofield, Rev. J. N., M.A. Chr.
 Smith, Rev. B. T. D., D.D. Sid.
 Stevenson, J., M.A. Joh.
 Telfer, Rev. W., D.D. Selw
 Faculty Asst. Lectr.
 Ramsey, Rev. Canon I. T., M.A.
 Chr.

Economics and Politics

- Robertson, D. H., M.A. Trin.
 (Polit. Econ.) Prof.
 Postan, M. M., M.Sc. Lond., M.A.
 Pet. (Econ. Hist.) Prof.
 Fay, C. R., M.A. Chr.
 (Econ. Hist.) Reader.
 Sraffa, P., M.A. Trin.
 Ass. Dir. of Res. in Econ.

Lecturers

- Bauer, P. T., M.A. Cai.
 Carter, C. F., M.A. Emm.
 Dennison, S. R., M.A. Cai.
 Dobb, M. H., M.A. Pemb.
 Guillebaud, C. W., M.A. Joh.
 Girdlers' Lectr.
 Habakkuk, H. J., M.A. Pemb.
 Hollond, Mrs. Marjorie, Ph.D.
 Col., M.A. Girton.
 Kahn, R. F., M.A. King's.
 Reddaway, W. B., M.A. Cla.
 Robinson, E. A. G., M.A. Sid.
 Robinson, Mrs. Joan V., M.A.
 Girton.
 Rowe, J. W. F., M.A. Pemb.
 Faculty Asst. Lectrs.
 Cohen, Ruth L., M.A. Newn.
 Henderson, R. F., M.A. Corp.

Education

Owst, G. R., Litt.D. Emm. Prof.
 Thouless, R. H., M.A., Ph.D. Corp.
 (Educ. Psych.) Reader.
 Meldrum, R., M.A. Joh. Lectr.

Egyptology

Glanville, S. R. K., M.A. King's
 Herb. Thompson Prof.

*Engineering, v infra**English Literature, v. also Anglo-Saxon*

Willey, B., M.A. Pemb
 K. Ed. VII. Prof.

Lecturers

Bennett, Mrs. Joan, M.A. Girton.
 Davies, H. S., M.A. Joh.
 Downs, B. W., M.A. Chr.
 Henn, T. R., M.A. Cath.
 Leavis, F. R., B.A., Ph.D. Down.
 Potts, L. J., M.A. Qu.
 Rylands, G. H. W., M.A. King's.
 Tillyard, E. M. W., M.A., Litt.D. Jes.
 Welsford, Enid E. H., M.A.
 Newn.

Faculty Asst. Lectrs.

Bradbrook, Muriel C., M.A., Ph.D.
 Girton.
 Hodgart, M. J. C., M.A. Pemb.
 Rossiter, A. P., M.A. Jes.

Entomology

Wigglesworth, V. B., M.D. Cai.
 Reader.
 Thorpe, W. H., M.A., Ph.D., Sc.D.
 Jesus Lectr.

French

Green, F. C., M.A. Magd. and St.
 And., Ph.D. Cologne, D. de
 l'U. Paris Drapers' Prof.
 Beves, D. H., M.A. King's Lectr.
 Charvet, P. E., M.A. Corp. Lectr.
 Combe, T. G. S., M.A. Edin. and
 Camb., D. de l'U. Bordeaux.
 Harmer, L. C., M.A., Ph.D. Trin.
 Lectr.
 Lough, J., M.A., Ph.D. Joh. Lectr.

Ladbrough, R. W., M.A., Ph.D.
 Magd. Lectr.
 McFarlane, I. D., M.A. Lectr.
 Parmée, D., M.A. Trin. Lectr.
 Wallas, May G., M.A. Newn.
 Lectr.

Faculty Asst. Lectrs.

Aston, S. C., M.A., Ph.D. Cath.

Lectors

Bourde, A. J., M.A. Magd.
 Le Breton, M.
 Py, R.
 Thomas, F. M. J. O.

Genetics

Fisher, R. A., Sc.D. Cai.
 Arthur Balfour Prof.

Geodesy and Geophysics

Cooper, R. I. B., M.A. Trin.
 Demr.

Geography

Debenham, F., O.B.E., M.A. Cai.
 Prof.

Lecturers

Mitchell, Jean B., M.A. Newn.
 Stanners, R. W., M.A. Cai.
 Steers, J. A., M.A. Cath.
 Steers, Mrs H. G., M.A. Girton
 Williams, W. W., M.A. Fitzw.
 Lewis, W. V., M.A. Cai.
 Thatcher, W. S., M.A. Fitzw.
 Manley, G., M.A. Cai. Demr.
 Peel, R. F. E. W., M.A. Cath.
 Demr.

Geology, v also Mineral.

King, W. B. R., Sc.D. Magd.
 Woodwardian Prof.
 Bulman, O. M. B., Ph.D., Sc.D.
 Sid. (Palæozool.) Reader.
 Brighton, A. G., M.A. Chr. Lectr.
 Black, M., M.A. Trin. Lectr.
 St. Joseph, J. K. S., M.A., Ph.D.
 Selw. Lectr.
 Allen, P., M.A. Cath. Lectr.
 Harland, W. B., M.A. Cai. Demr.

Geophysics

Bullard, E. C., M.A., Ph.D. Cla.
 (Experimental Geop.) Reader.

Browne, B. C., M.A. Trin
Asst. Director of Research

German

Butler, Eliza M., M.A. Newn
Schröder Prof
Anty, R., M.A. Cai. Lectr.
Bennett, E. K., M.A. Cai. Lectr.
Blackall, E. A., M.A. Cai.
Forster, L. W., M.A. Selw.
Jones, T. D., M.A. Trin. H. Lectr
Knight, A. H. J., M.A. Trin. Lectr
Stopp, F. J., M.A. Emm. Lectr.

Hebrew, v. Oriental Langs.

History

Lecturers

Behrens, Catherine B. A., B.A.
Ox and Newn
Bennett, R. F., M.A. Magd.
Bury, J. P. T., M.A. Corp.
Cam, Helen M., Litt.D. Girton.
Crawley, C. W., M.A. Trin. H.
Davidson, J. W., Ph.D. Joh.
Evennett, H. O., M.A. Trin.
Kitson Clark, G. S. R., M.A. Trin.
Laffan, R. G. D., M.A. Qu.
Lindsay, Mrs J. O., M.A., Ph.D
Girton.
Morris, G. C., M.A. King's.
Oakeshott, M. J., M.A. Cai.
Pickthorn, K. W. M., M.A., Litt.D.
Corp., M.P.
Rich, E. E., M.A. Cath.
Salter, F. R., M.A. Magd.
Saltmarsh, J., M.A. King's.
Simpson, Rev. F. A., M.A. Trin.
Steel, A. B., M.A. Chr.
Welbourne, E., M.A. Emm.
Grierson, P., M.A. Cai.
White, R. J., M.A. Down.

Faculty Asst. Lectrs.

Fisher, D. J. V., M.A. Jes.
Miller, E., M.A. Joh.
Parry, J. H., M.A., Ph.D. Cla.
Plumb, J. H., Ph.D. Chr.
Smail, R. C., M.A. Sid.

Thomson, D., M.A., Ph.D. Sid.
Wilson, C. H., M.A. Jes.
Wormald, Rev. B. H. G., M.A. Pet.

History, *Ancient* v. also Classics
Adcock, F. E., M.A. King's Prof.
History, *Eccl.*, v. Div.
History, *Econ.*

Postan, M. M., M.Sc. Lond., M.A.
Pet. Prof.
Fay, C. R., M.A. Chr. Reader.
History and Institutions,
American [1947-48.

Commager, H. S., Columbia Prof.
History, *Imperial and Naval*
Walker, E. A., M.A. Ox. and Cape,
M.A. Joh.

Vere Harmsworth Prof.
Davidson, J. W., Ph.D. Joh.
(Colonial Studies) Lectr

History, *Mediæval*
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 Duckworth, Rev. J. N., M.A., *Chaplain.*

SIDNEY SUSSEX COLLEGE. Founded 1596. Tel. No.: Cambridge 5027.

Master—T. Knox-Shaw, M.C., M.A.

Fellows

- Weekes, Rev. George Arthur, M.A.
 Wilson, C. T. R., C.H., LL.D. Aberd., D.Sc. Manc., M.A., Hon. Sc.D., F.R.S.
 Hackforth, R., M.A., *Laurence Prof. (Anc. Philos.).*
 Smith, Rev. B. T. D., M.A., D.D., *Vice-Master, Lectr., U. Lectr. (Div.).*
 Davenport, A. H., M.C., M.A., *Bursar, U. Lectr. (Engin.).*
 Green, H. L. H. H., M.A., M.D., *Steward, Lectr. (Nat. Sci.), U. Lectr. (Anat.).*
 Ratcliffe, J. A., O.B.E., M.A., *Taylor Librarian, Lectr. (Nat. Sci.), U. Lectr. (Physics).*
 Robinson, E. A. G., C.M.G., O.B.E., M.A., *Lectr., U. Lectr. (Econ.), Librarian.*
 Angus, R. H., M.A., *Dean, Lectr., U. Lectr. (Engin.).*
 McCance, R. A., M.A., Ph.D., M.D., *Prof. (Exp. Med.).*
 Bulman, O. M. B., Ph.D., Sc.D., F.R.S., *Reader (Palaeozoology).*
 Thomson, D., M.A., Ph.D., *Tutor.*
 Emeléus, H. J., M.A., F.R.S., *Prof. (Inorganic Chemistry).*
 Smail, R. C., M.B.E., M.A., *Tutor Pralector.*
 Beattie, A. J., M.A., *Dean, Coll. Librarian.*
 Tibbatts, Rev. G. K., M.A., *Chaplain, Asst. Librarian.*

TRINITY COLLEGE. Founded 1546. Tel. No.: Cambridge 3441.

Master—G. M. Trevelyan, O.M., M.A., Litt.D., F.R.A.

Fellows

- Dampier, Sir William C. D., M.A., Sc.D., F.R.S.
 Lapsley, G. T., Ph.D. Harv., M.A.
 Dykes, F. J., M.A.
 Littlewood, J. E., LL.D. St. And., D.Sc. Liv., M.A., F.R.S., *Rouse Ball Prof. (Maths.)*.
 Hollond, H. A., D.S.O., O.B.E., M.A., LL.M., *Dean of College, Rouse Ball Prof. (Engl. Law)*.
 Robertson, D. S., M.A., *Vice-Master, Regius Prof (Greek)*.
 Sumpson, Rev. F. A., M.A., *U. Lectr. (Hist.)*.
 Tennant, Rev. F. R., D.D. Camb. and Ox., M.A.
 Butler, J. R. M., M.V.O., O.B.E., M.A., *Reg. Prof. (Mod. Hist.)*.
 Adrian, E. D., D.Sc. Harv., M.A., M.D., F.R.S., *Prof. (Physiol.)*.
 Burnaby, Rev. J., M.A., B.D., *Dean of Chapel*.
 Taylor, Sir Geoffrey I., M.C., D.Sc. Ox., M.A., F.R.S.
 Nicholas, T. C., O.B.E., M.A., *Senr. Bursar*.
 Lenox-Conyngham, Sir Gerald P., M.A., F.R.S.
 Kitson-Clark, G. S. R., M.A., *Lectr., U. Lectr. (Hist.), Tutor*.
 Broad, C. D., M.A., Litt.D., F.B.A., *Knightbridge Prof. (Moral Philos.)*.
 Roughton, F. J. W., M.A., Ph.D., *J. H. Plummer Prof. (Colloid Sci.)*.
 Dean, W. R., M.A., *Lectr., U. Lectr. (Maths.)*.
 Moore, G. E., LL.D. St. And., M.A., Litt.D., F.B.A.
 Gow, A. S. F., M.A., *Brereton Reader (Classics)*.
 Duff, P. W., M.A., *Regius Prof. (Civil Law)*.
 Rattenbury, R. M., M.A., *Lectr., U. Lectr. (Classics)*.
 Sandbach, F. H., M.A., *Lectr., U. Lectr. (Classics)*.
 Pantin, C. F. A., M.A., Sc.D., F.R.S., *Lectr. (Nat. Sci.), Reader (Invertebrate Zoology)*.
 Evennett, H. O., M.A., *Tutor, Lectr., U. Lectr. (Hist.)*.
 Knight, A. H. J., M.A., *Dir. Scandinavian Studies, Lectr. (Mod. Langs.), U. Lectr. (German)*.
 Besicovitch, A. S., D.Sc. Lond., M.A., F.R.S., *Lectr., U. Lectr. (Maths.)*.
 Mann, F. G., D.Sc. Lond., Ph.D., Sc.D., *Lectr. (Nat. Sci.), Reader (Org. Chem.)*.
 Black, M., M.A., *Lectr. (Nat. Sci.), U. Lectr. (Geol.)*.
 Hamson, C. J., M.A., LL.M., *Lectr., U. Lectr. (Law)*.
 Wisdom, A. J. T. D., M.A., *Lectr. (Moral Sci.), U. Lectr. (Moral Phil.)*.
 Hinks, D. A. G., M.A., *Jr. Bursar*.
 Hodgkin, A. L., M.A., *Lectr. (Nat. Sci.)*.
 Moule, Rev. A. C., M.A., Litt.D.
 Bragg, Sir W. L., O.B.E., Sc.D. Dub., M.A., F.R.S., F.Inst.P., N.I., *Cavendish Prof. (Physics)*.
 Rushton, W. A. H., Ph.D., *Lectr., U. Lectr. (Physiol.)*.
 Vyvyan, J. M. K., M.A.
 Love, E. R., Ph.D.
 Grant, M., M.A.
 Wittgenstein, L., Ph.D.
 Sraffa, P., M.A.
 Clark, G. L., Ph.D., M.A.
 Greenberg, M. M., M.A.
 Pryor, M. G. M., Ph.D.
 Hill, D. K., M.A.
 Friedlander, F. G., Ph.D.
 Dunworth, J. V., Ph.D., M.A.
 Huxley, A. F., M.A.
 Stone, A. H., M.A.
 Tutte, W. T., M.Sc.
 Obolensky, Prince D., Ph.D., M.A.
 Bondi, H., M.A.
 Russell, B. A. W., Earl, M.A., F.R.S.
 Robertson, D. H., C.M.G., M.A., F.B.A., *Prof. (Political Econ.)*.
 Binnie, A. M., M.A.
 Catcheside, D. G., M.A.
 Harmer, L. C., M.A., Ph.D.
 Ashmead, J., M.A., Ph.D.
 Wild, E., M.A.

Rajan, B., M.A., Ph.D.
 Oatley, C. W., Ph.D., M.A.
 Dalghesh, C. E., Ph.D.
 Lighthill, M. J., B.A.
 Devons, S., M.A., Ph.D.
 Middleton, H. S., M.A., Mus.D.
 Hamilton, W., M.A.
 Kemmer, N., M.A.
 Wade, H. W. R., B.A.
 Winter, C., M.A., *Dir. Fitzwilliam Museum.*
 Lauterpacht, H., LL.D., *Prof. (Internat. Law).*
 Fox, E. N., M.A.
 Kemball, C., Ph.D., M.A.

Raven, J. E., M.A.
 Skyrme, T. H. R., B.A.
 Dyson, F. J., B.A.
 Browne, B. C., M.A.
 Batchelor, G. K., M.Sc. Melb.
 Bradfield, J. R. G., B.A.
 Ehrman, J. P. W., M.A.
 Gold, T., M.A.
 Oldroyd, J. G., M.A.
 Parry, S. V., B.Sc. Liv.
 Ursell, F., M.A.
 Arkell, W. J., D.Sc. Ox., M.A., F.R.S.
 Frisch, O. R., D.Phil. Vienna, M.A.,
Prof. (Nat. Philos.).

TRINITY HALL. Founded 1350. Tel. No. : Cambridge 5047.

Master—H. R. Dean, M.D., Professor of Pathology.

Fellows

Rendell, W. R., M.A.
 Angus, Rev. C. F., M.A., *Vice-Master, Librarian.*
 Crawley, C. W., M.A., *Tutor, U. Lectr. (Hist.).*
 Turner, J. W. C., M.C., M.A., *Bursar, Steward, Praelector, U. Lectr. (Law).*
 Clarke, L. C. G., M.A.
 Guttridge, H. C., M.A., LL.M., K.C.
 Ellis Lewis, T., Ph.D., *U. Lectr. (Law).*
 Fleming, Rev. W. L. S., M.A., *Dean and Chaplain.*

Wylie, S., M.A. Ox. and Camb.,
Asst. Tutor.

Thomas, T. C., M.A., LL.B.

Kenner, G. W., Ph.D.

Kirk, G. S., B.A.

Schulman, J. H., Sc.D.

Chadwick, Rev. W. O., *Asst. Tutor, Librarian.*

Austin, G. W., M.A.,

McFarlan, A. M., M.A., M.B., B.Chir.

Neal, B. G., B.A.

SELWYN COLLEGE. Founded 1882. Tel. No. : Cambridge 4407.

Master—Rev. W. Telfer, D.D.

Fellows

Williams, W. N., M.A., LL.B.
 Marsh, Rev. F. S., M.A., *Lady Margaret's Prof. (Div.).*
 Perrett, G. B., M.A., *Lectr., U. Lectr. (Hist.).*
 Durrant, P. J., M.A., Ph.D., *Tutor, Lectr. (Nat. Sci.), Praelector.*
 Blyth, Rev. A. C., M.A., *Vice-Master, Tutor, Precentor, Lectr. (Theol.).*
 Sartain, W. J., M.A., *Asst. Sec. Gen. of the Faculties.*

Chase, Rt. Rev. G. A., M.C., M.A.,
 Hon. D.D. (*Bishop of Ripon*).

Forster, L. W., M.A., *Lectr. (Mod. Langs.), Dean, Asst. Tutor.*

St. Joseph, J. K. S., M.A., Ph.D.,
Lectr., U. Lectr. (Geol.), Asst. Tutor.

Bell, G. D. H., Ph.D.

Burcham, W. E., B.A., Ph.D.

Spear, T. C. P., M.A., Ph.D., *Bursar.*

Cott, H. B., M.A.

Brock, W. R., B.A., Ph.D.

FITZWILLIAM HOUSE: NON-COLLEGIATE STUDENTS. Established 1869. Tel. No.: Cambridge 4779. Censor—W. S. Thatcher, M.C., M.A.; Asst. Censor, Bursar—W. W. Williams, M.A.; Director of Studies in Nat. Sci.—R. C. Evans, M.A., Ph.D.; Junior Tutor: N. J. G. Pounds, M.A.

Supervisors of Studies. *Agriculture*: R. Ede, M.A. *Chemistry*: P. Maitland, Ph.D. *Economics*: W. S. Thatcher, M.A. *Geography*: N. J. G. Pounds, M.A. *History*: Rev. W. Harvey, M.A. *Law*: C. H. Ziegler, M.A., LL.M. *Mathematics*: G. L. Clark, M.A. *Mechanical Sciences*: E. K. Frankl, M.A. *Medical Studies*: G. N. Myers, Ph.D. *Medieval and Modern Languages*: I. D. McFarlane, M.A. (French); E. Heller, Ph.D. (German). *Mineralogy*: R. C. Evans, M.A., Ph.D. *Moral Sciences*: A. J. T. D. Wisdom, M.A. *Theology*: supervision arranged after interview.

WOMEN'S COLLEGES recognized by the University

GIRTON COLLEGE. Founded 1869. Tel. No.: Cambridge 76219.

Mistress—Miss K. T. B. Butler, M.A.

Directors of Studies and Lecturers: A. A. B. Fairlie (Mod. and Med. Langs.); H. M. Cam, M.A., Litt.D. (Law and History); M. L. Cartwright, M.A. (Maths.); Mrs. Holland, Ph.D. Col., M.A. (Econ.); N. C. Jolliffe, M.A. (Classics and Archaeology); Miss H. D. Megaw, M.A., Ph.D. (Nat. Sci.); M. G. Lloyd Thomas, M.A. (Engl.); Mrs. Anderson, M.A. (Geog.); N. C. Jolliffe, M.A. (Moral Science and Anthropology); Mrs. Adair, M.A., Ph.D. (Medicine); H. I. McMorran, M.A. (Oriental Lang.); M. L. Cartwright, M.A. (Mech. Sci.); Mrs. Jeffreys, M.A., Ph.D. (Music); M. E. Brown, M.A., Ph.D. (Agric.); K. M. E. Murray, M.A. (Architecture).

Lectrs.: *Chem.*: A. R. Murray, M.A. *English*: M. C. Bradbrook, M.A., Ph.D. *Hist.*: H. M. Cam, Litt.D. *Mod. and Med. Langs. (German)*: Miss L. Salzberger.

Bursar—Mrs. Holland, M.A. Junior Bursar—K. M. E. Murray, M.A. Librarian—H. I. McMorran, M.A., F.L.A. Secy.—K. M. Peace, M.A. Asst. Tutors—R. H. Syfret, M.A.; A. Duke, M.A. Registrar of the Roll—H. I. McMorran, M.A.

NEWNHAM COLLEGE. Founded 1871. Tel. No.: Cambridge 2478.

Principal—Miss Myra Curtis, C.B.E., M.A. Vice-Principal—Miss E. M. Chrystal, M.A.

Tutors—E. M. Chrystal, M.A. (Clough Hall); H. J. Pybus, M.A. Ox. (Sidgwick Hall); I. I. Macdonald (Peile Hall); A. Robertson, M.A. (Old Hall).

Directors of Studies and Lecturers: E. M. Chrystal, M.A. (Theol. and Oriental Lang.); Mrs. A. C. Horton, D.Sc. Lond., M.A. (Nat. Sci.); Mrs. A. H. Quiggin, M.A. (Archæol. and Anthropol. A.); S. M. Edmonds, M.A. (Maths. and Mech. Sci.); May G. Wallas, M.A. (Mod. Langs.); J. B. Mitchell, M.A. (Geog.); Mrs. H. E. Palmer, M.A. (Archit.); H. J. Pybus, M.A. Ox. (Hist. and Law); R. L. Cohen, M.A. (Econ.); Mrs. D. Thacker, M.A. (Med.); J. Toynbee, M.A. (Classics); E. E. H. Welsford, M.A. (English, Moral Sci. and Archæol.); R. E. M. Harding, Ph.D., Litt.D. (Music).

Lectrs.: *English*: Mrs. A. D. M. de Navarro, M.A.; K. M. P. Burton, M.A., Asst. Lectr. *Maths.*: S. M. Edmonds, M.A., Ph.D. *Mod. Langs.*: M. G. Wallas, M.A., Ph.D. Lond. (French). *Chem.*: A. M. Simpson, M.A., Ph.D.

Bursar—Mrs. A. B. White, M.A. Librarian—E. M. Chrystal, M.A. Registrar of the Roll—Mrs. H. E. Palmer, M.A. Junior Bursar—A. Robertson, M.B.E., M.A. Steward—Mrs. M. S. McFie.

GENERAL INFORMATION

The legislative and executive authority of the Univ. is vested in the REGENT HOUSE, which comprises those Univ. Officers, Fellows of Colls., and others, who are concerned with its teaching and administrative work. A meeting of the Regent House is called a *Congregation*.

There is a right of appeal against a decision of the Regent House, on the motion of at least one-third of its members, to the SENATE, which consists of graduates of six or seven years' standing from their first term of residence, who have taken a degree of Doctor or Master, or the degree of Bachelor of Divinity. In order to be successful an appeal must be sustained by a majority prescribed by statute. The Senate elects the Chancellor and certain other officers, confers degrees, and holds meetings for the discussion of proposals.

Changes of statute can be made by the Univ. with the approval of the Privy Council and Parliament.

Many executive duties, and the duty of sanctioning the submission of resolutions (called *Graces*) to a Congregation, are entrusted to the *Council of the Senate*, which is elected by the Regent House.

The titular presiding officer at a Congregation, and the Chairman of the Council, is the Chancellor, who is by custom a non-resident distinguished in public life. His duties are in fact performed by the Vice-Chancellor, who is a Head of a College, appointed annually, in theory by the Regent House, in practice by the Council. It is customary for the Vice-Chancellorship not to be held for more than two years in succession by one person.

There are numerous *Boards* and *Syndicates* for dealing with the various branches of University business: the most important of them are the *General Board of the Faculties*, whose duty it is to advise the Univ. as to educational policy and to supervise and co-ordinate the work of the Faculties, and the *Financial Board*, whose duty it is to supervise the finance of all spending departments.

There are twenty Faculties, a Faculty being a body of persons furthering the study of a subject or group of subjects. The organization of teaching, research and examinations in the various subjects is in the hands of the several Faculty Boards, subject to the control of the General Board. A Faculty Board is in part composed of members elected by the Faculty. Some of the Faculties are divided into Departments, under a Head, generally a Professor, who is responsible for the management of his Department. There are also some Departments independent of a Faculty.

For an outline of the statutes which became operative in 1926, v. *Yearbook* 1932, p. 66.

The INCOME of the Univ. is derived from the endowments of specific posts, from general endowment (though to a small extent only), from the fees of students, from the statutable contributions of Colls. and from a Treasury Grant.

DISCIPLINE outside the walls of the Colls. is maintained by the Proctors.

The Univ. TEACHING OFFICERS are the Professors, Readers, Univ. Lecturers, Univ. Demonstrators, Asst. Directors of Research, and certain specified officers. They, as well as most of the administrative officers, are required to join the Federated Superannuation System for Univs. The retiring age is 65.

The COLLEGES are self-governing corporate bodies distinct from the Univ., owning and managing their separate property, the corporators being the Head and Fellows. Their powers are, however, limited by their statutes, which cannot be altered by them without notice to the Univ. and approval

by the Privy Council. The functions of the Colls. in regard to students are to provide lodging, corporate life, and personal tuition, while the function of the Univ. is to provide public instruction by means of lectures and demonstrations, examinations leading to degrees, and facilities for research. The affairs of the Colls. are, however, closely interwoven with those of the Univ. Most of the Fellows of Colls. are Univ. officers, indeed the statutes require that a certain proportion of the Fellowships of each Coll. shall be held by Univ. officers. And each Coll. is required by statute to contribute a certain fraction of its income to the funds of the Univ., the scale of contribution being graduated according to the College revenues.

The Colls. also maintain Fellowships for the furtherance of research, and a large number of Scholarships. The title of scholar is awarded on purely intellectual grounds, but, as at Oxford, no Coll. emolument other than an allowance for rooms is paid to an undergraduate scholar unless he satisfies the Coll. that his circumstances justify the payment.

NON-COLLEGIATE STUDENTS reside in licensed lodgings or in "Houses" recognized by the Non-Collegiate Students' Board. Such students may, by becoming members of Fitzwilliam House, obtain opportunities for taking part in communal life (dining in Hall, belonging to athletic clubs, etc.) similar to those enjoyed by members of Colleges.

WOMEN STUDENTS. Subject to the condition, to some extent relaxed in respect of the years 1945-49, that the joint number of women students receiving instruction in the Univ. shall not exceed five hundred, the students of the Women's Colls. (Girton and Newnham) are admitted to instruction and examinations in the Univ. and to the titles of degrees, including research degrees. Women who have received, or are qualified to receive, titles of degrees share with men graduates, under the Representation of the People Acts 1918 to 1928, the privilege of voting for the election of the two Burgesses who represent the Univ. in the House of Commons. Women are eligible for all Univ. teaching offices and for membership of Faculties and Faculty Boards, but cannot become members of the Senate or Regent House. From 1872 women were informally admitted to Tripos examns. in the Univ., and from 1881 have been formally admitted to the Previous Examn., the Tripos examns., and certain examns. in Med. and Music. They were subsequently admitted to the courses and examns. for the Diplomas in Agric., Horticulture, Forestry, Geog. and Education. In Oct. 1921 the Grace admitting them to titular degrees was passed. Under the New Statutes in Oct. 1926 women became eligible for all Univ. teaching offices, and in the following year were enabled to compete on the same footing as men for Univ. Studentships, Scholarships and Prizes, except where specially excluded. Since 1934 they have been admitted to all courses of study alike. In Dec. 1947 proposals to amend the Statutes were approved, subject to the consent of the King-in-Council, that women should be admissible to membership of the Univ. on the same terms as men.

ADMISSION. See Appendix I.

NON-MEMBERS OF THE UNIVERSITY. A teacher of subjects pertaining to a Faculty or Dept., or a person pursuing research upon such subjects, may be admitted to courses of instruction by the Chairman of the Faculty or the Head of the Dept., paying such fees, if any, as may be determined in each case. In some special cases the approval of the Council of the Senate is required.

A candidate for a Diploma or Certificate which is open to non-members may attend courses leading thereto, paying, in addition to the fees proper to the courses, a single fee of a guinea and a half.

Under the same conditions as to fees, other non-members may attend courses

by leave of the Council of the Senate, normally not for more than two terms. Applicants, before making their arrangements to come to Cambridge, should inform the Registry of their scholastic or academic status, subjects of study, proposed length of sojourn, and reasons for not joining the Univ. or one of the Women's Colleges, as leave is not automatically given.

If it is doubtful which of the preceding paragraphs is relevant, enquiry should be made of the Registry.

INCORPORATION. Students who before admission as members of the Univ. have kept terms by *bona fide* residence at Ox. or Dub. (Trinity College) are, subject to certain provisos, allowed terms corresponding to those which they have so kept; a graduate of Ox. or Dub. (Trinity College) who took a degree or degrees after having duly qualified himself therefor not only by having passed the examns., etc., required, but by having kept his terms by residence in his own Univ., may be admitted on certain conditions to the same degree or degrees in Camb. Women graduates of Ox. or Dub. (Trinity College) may be admitted by incorporation to the title of the same degree or degrees in Camb. By leave of the Oxford authorities a term or terms needed for an Oxford degree may be kept at Cambridge.

TERMS. In order that a term may be counted towards qualifying for a degree, a student must reside in Cambridge (*i.e.* within a circle of 3 miles radius from Gt. St. Mary's Church) during three-fourths of the term. Full terms: 1947-48—Oct. 7 to Dec. 5; Jan. 13 to March 13; April 20 to June 11. 1948-1949—Oct. 8 to Dec. 6; Jan. 12 to March 12; April 19 to June 10.

DEGREES. B.A., M.A.; M.Litt., Litt.D.; M.Sc., Sc.D.; B.D., D.D.; LL.B., LL.M., LL.D.; M.B. and B.Chir., M.Chir., M.D.; Mus.B., Mus.M., Mus.D.; Ph.D.

MEASURES DUE TO THE WAR. Regulations have been made under which approved National Service will be recognized in lieu of terms of residence and/or exemption from the Previous Examination. The general effect is to enable students to obtain degrees after completing the examinations appropriate to two years of residence if they have previously or subsequently been engaged on approved National Service. But the following will not be recognized: (1) Service performed by a student born on or after 1.1.29; (2) any service begun on or after 1.1.47 by a student who matriculated after 24.6.46; (3) any service begun on or after 1.1.47 by a student who has matriculated before 24.6.46, unless that service was not begun voluntarily, or as a result of failure to satisfy the conditions for continued deferment by the University Joint Recruiting Board.

ARTS. The qualifications for the B.A. are: (i.) 9 terms' residence; (ii.) passing or being exempted from the *Previous Examn.*; (iii.) passing the examns. for the Ordinary Degree or a Tripos examn. or examns.

Exemption from (i.) to the extent of 3 terms can be obtained by students entitled to the privileges of *affiliation* (v. App. I.).

(ii.) The *Previous Examn.* includes Latin or Greek, one other language, Maths., and English. Subject to certain provisos, natives of Asia or Africa who are not of European parentage may substitute papers in Arabic, Chinese, Sansk. or Pali for the Latin papers. For details and exemptions, see Appendix I.

(iii.) Ordinary Degree: (All students must follow an honours course or a course for a Certificate of Proficiency in their first year). (a) First year hon. examn. or an examn. for a Cert. of Proficiency, followed by two of these Special Examns. Latin, Greek, History, Law, English, each lang. regularly included in the Mod. and Mediæval Langs. and Oriental Langs. Triposes, Geog., Moral Science, Maths., each whole subject of Part I. of the Natural Sciences Tripos, and

Military Studies. Or (b) the Examns. in *Agriculture and Estate Management*. Or (c) the Examns. in *Architectural Studies*. Or (d) the Examns. in *Engineering Studies*. Or (e) the Examns. in *Christian Theology*.

Certain combinations of (a), (b), (c), (d) and (e) are allowed, and also certain combinations of parts of (a) with parts of the course for the M.B. or the Mus.B., or with parts of a Tripos course.

Honours Degree: obtained by passing in one or more of the following Triposes: Archæological and Anthropological, Classical, Economics, English, Geog., Hist., Law, Maths., Mech. Sciences, Mod. and Med. Langs., Moral Scis., Music, Nat. Scis., Oriental Langs., Theol.

A Bachelor may be admitted Master of Arts at the end of 6 yrs. from the end of his 1st term, provided that not less than 2 yrs. have elapsed from his admission as B.A.

DIVINITY. A graduate proceeds to the B.D. when he is of not less than 5 yrs.' standing from his first degree, either (1) by submitting an original dissertation composed by himself on some subject connected with Biblical Criticism, Exegesis or History, or with the Nature and Grounds of Christian Belief, or with Dogmatic Theology, or with the study of other Religions in relation to the Christian Religion, or with Ecclesiastical History, Literature or Antiquities, or with the Philosophy of Religion, or (2) by specifying his published works on one or more of these subjects. He is required to satisfy the Degree Committee, either by his dissertation, etc., or otherwise, that he possesses a competent knowledge of Christian Theology. A B.D. of 3 yrs.' standing proceeds to the D.D. by submitting published works or a printed dissertation on the same subjects as those for the B.D.

LAW. A student who has kept 9 terms and obtained hons. in both parts of the Law Tripos, or Hons. in some other Tripos and subsequently Hons. in either part of the Law Tripos, is entitled to proceed to the degree of B.A. To qualify for the LL.B. it is necessary to pass the LL.B. examn. after having kept 9 terms and obtained hons. in Pt. I. or Pt. II. of the Law Tripos, or passed in either Part at the hons. standard, or taken the degree of B.A. and qualified for practice as a barrister or solicitor in England or Ireland, or as an advocate or law agent in Scotland. (For an Affiliated Student these requirements may be modified.) A LL.B. may, not less than 6 yrs. after the end of his 1st term and not less than 2 yrs. since his admission, ask leave to submit a dissertation on some branch of law or of the hist. or philosophy of law, and, if such dissertation is approved, he may be admitted to the Degree of LL.M. Any graduate may be admitted LL.D., not less than 8 yrs. after admission to his 1st degree, if he has published one or more original contributions, approved for the purpose, to the advancement of the science or study of Law.

MEDICINE. The qualifications for the M.B. and B.Chir. are: (i.) 9 terms' residence; (ii.) passing (or exemption from) the *Previous Examn.* (iii.) 5 yrs.' Med. study; (iv.) passing in due order several examns. (of which one must be a Tripos examn.). Admission to certain examns. is conditnl. on proof of diligent attendance on prescribed courses of lectures and practical work. Admission to the Final M.B. is conditnl. on proof of 5 yrs.' Med. study, of which 2 yrs. 9 mos. must have been spent in hospl. practice, and diligent attendance on prescribed courses of instruction and practical work. A graduate of the Univ., on submission of a thesis or dissertation, may be admitted M.D. when 8 yrs. have elapsed since admission to his first degree. A person who has graduated M.B., B.Chir. may be a candidate for the M.Chir. Degree Examn. when 2 yrs. have elapsed since passing the Final M.B. Examn. Overseas examns. exempting

from the 1st M.B. (except Part IV.): examns. for B.Sc. of Univ. of S. Africa (subject for subject); 1st yr. examn. for M.B. and Ch.B. or B.Sc. of Univ. of Cape Town or Witwatersrand; 1st examn. for med. degrees in Univ. of Adel., Melb. or Syd., or 1st examn. in Science in Univ. of Queensland, W. Aust. or Tasm.

A School of Clinical Research and Postgraduate Teaching, to be known as the Medical School, has been constituted and there will be closer relations between the Univ. and Addenbrooke's Hospital. The Univ. has assumed responsibility for the biochemical and pathological services of the hospital.

MUSIC. The qualifications for the Mus.B. include (i.) 9 terms' residence; (ii.) passing (or exemption from) the *Previous Examn.*; (iii.) passing an examn. in two parts whereof the first may not be taken before the 2nd term, nor the 2nd before the 8th term. In 1949 new regulations will require candidates for the Mus.B. to pass two sections of the Mus.B. Examn. after obtaining honours or the honours standard in a part of the Music Tripos. The Mus.M. may be taken after at least 3 yrs. have elapsed since admission as Mus.B. and after passing the prescribed examn.

Graduates of not less than 8 yrs.' standing from admission to their first degree who have given proof of distinction in musical composition may be candidates for the Mus.D.

The Ph.D., v. *infra* Research Students.

The Sc.D. and Litt.D. Either degree is open to a graduate of the University of not less than 8 yrs.' standing from admission to his first degree. These degrees are granted in consideration of published original contributions to the advancement of Science or Learning.

DIPLOMAS. In addition to degrees, which are for the most part conferred only on its own members, the Univ. grants Diplomas, which are restricted, or almost restricted, to members of the Univ.—Agric., Agric. Sc., Anthropol., Architect., Class. Archaeol., Comparative Legal Studies, Internat. Law, Economics, Education, General Archaeol., Mathematical Statistics and Oriental Langs., the diplomas in Anthropol., General Archaeol. and Orient. Langs. being open to non-members in certain exceptional circumstances only. *Certificates* of competent knowledge of certain foreign langs., open to members of the Univ. only, are awarded. *Certificates of Proficiency* in Agriculture, Estate Management, Architectural Studies, Christian Theology and Engineering Studies are awarded to those who proceed to the Ordinary B.A. by way of the examn. in those subjects. A *Divinity Testimonium* is granted on proof of diligent attendance at 6 courses of lectures.

The Joint Coal Mining Diploma of the Univs. of Cambridge and Birmingham enables Cambridge graduates in Engineering to shorten by 1 yr. the period of training at Birmingham otherwise required. It is approved by the Board of Trade.

The Diploma in Anthropology may be obtained after residence for one term only by Officers of any of the Public Services of the Empire, not ordinarily resident in the British Isles, having exceptional qualifications, or by Missionaries who have served abroad.

The Diploma in General Archaeology may be obtained, after instruction in Cambridge during an academical year, by persons approved in virtue of archaeological experience in the field or of other qualifications.

The Course of MILITARY STUDIES arranged by the Univ. Board of Milit. Studies (Secy.—F. M. Edwards, M.A. Qu., 1 Silver St.) is for the time being in

abeyance. The Air Squadron and Officers' (now Senior) Training Corps continue to operate. During the War, the holder of Cert. B who was recommended for a Commission was exempted from service in an Other Ranks Training Unit. Cert. A (Infantry) had to be obtained before a candidate could be enrolled in a Technical Unit.

THE DEPARTMENT OF EDUCATION (Prof. of Educn.—G. R. Owst, Litt.D. Emm.; Secy. to the Dept.—F. F. C. Edmonds, M.A. Qu.), 17 Brookside, Cambridge, is under the general control of the Education Syndicate.

Four-year students devote their first 3 yrs. to reading for a degree and the 4th yr. to professional training. Postgraduate students not previously attached to the Dept. may also enter for the 1 yr.'s professional course.

Examns. for the *Certificate* in Education, held in June and Dec., are open to students of certain colleges, and also to other graduate teachers who have had at least a yr.'s experience in a Secondary or similar approved school.

There is also the Cambridge Training College for Women (Postgraduate) (Principal—Miss E. M. Verini, M.A. Ox.), which admits women graduates to a course of professional training in preparation for teaching. Students take the examn. for the Cambridge Certificate in Education. Recognized students receive the usual Ministry of Education grants. Total number of students, about 65.

For HOLY ORDERS in the Church of England Cambridge graduates are trained at Ridley Hall, founded in 1879 (Principal—Rev. S. F. Allison, M.A. Jes.); or at Westcott House, founded in 1881 (Principal—Rev. K. M. Carey, B.A.). Other theological colleges recognized by the Univ. as Houses of Residence for students: Westminster Coll., founded 1844 (Principal—Rev. W. A. L. Elmslie, B.D., Chr., Presbyterian); Cheshunt Coll., founded 1768 (President—Prof. A. V. Murray, B.D. Joh., mainly Congregational); St. Edmund's House, founded in 1896 (Rector—Rev. R. Corboy, M.A. Chr., Roman Catholic); and Wesley House, founded 1924 (Principal—Rev. R. N. Flew, B.D. Trin. H., Methodist). Cheshunt and Westminster Colleges were moved from Cheshunt and London in 1905 and 1899 respectively.

RESEARCH STUDENTS. Each application for admission must be made to the Secretary of the Board of Research Studies, and must be accompanied by (i.) a diploma or other certif. of graduation at a Univ.; (ii.) a statement as to the course of research which the applicant desires to pursue, together with evidence of qualification, attainments and previous study; (iii.) a statement of the degree, if any, for which the applicant wishes to be a candidate; (iv.) a certif. or declaration of the applicant's age at the date of application. In exceptional cases persons who are not graduates may be admitted. The application is not granted unless it appears that (a) the course of research can conveniently be pursued within the Univ., and (b) that the applicant has produced adequate evidence that he is qualified to enter upon the proposed course. Before admission he is required to become a member of a College, or a Non-Collegiate Student.

Secretary of the Board of Research Studies: W. J. Sartain, M.A. Selw. Correspondence should be addressed to the Secretary at the Old Schools, Cambridge.

A Research Student pursues his course under direction and supervision, prescribed by the Degree Committee of the Faculty concerned. If he should wish to obtain a degree elsewhere he may, after he has pursued his studies in the Univ. for not less than 2 terms with regularity and industry, receive a *Certificate* to that effect signed by his supervisor and by the V.-C. After a course extending over 2 yrs. and residence in the Univ. for at least 6 terms (Cambridge

graduates, 3 terms) after admission as a Research Student, the M.Sc. or M.Litt. degree may be obtained. For the Ph.D. degree (v. p. 15) 3 yrs. are ordinarily required. One year of the 3 yrs.' course may be remitted if the applicant satisfies the Board of Research Studies that he has done at least a yr.'s satisfactory research work before admission to Cambridge Univ. For any degree 6 terms' residence is essential.

UNIVERSITY SCHOLARSHIPS AND STUDENTSHIPS, ETC., number about 60, and are worth about £7000 p.a. In almost every instance they are open only to persons who have graduated in this Univ., or have kept a certain number of terms. For details see *Student's Handbook* (Univ. Press), which also gives details of College *Entrance* Scholarships.

DOMINION AND COLONIAL EXHIBITIONS. In view of the difficulties experienced by Dominion and Colonial students in competing for scholarships and exhbns. in the open examn. held each Dec., Trinity Coll. is prepared to consider applications made by Dominion and Colonial Univs. on behalf of their students for the grant of exhbns.; value £40 a yr. either more or less according to holder's financial circumstances. Candidates must apply through the principal authority of their Univ. Applications for next award must reach the Senior Tutor, Trinity Coll., by May 1, 1949, from whom particulars should be obtained.

EXPENSES. Since each student, in addition to Univ. fees, pays bills to a College (or to the Non-Collegiate Body), and the charges vary from College to College, a concise general estimate gives only a rough indication, which may be supplemented by particulars obtained from the College of the student's choice; but the total annual expenditure of a student, *exclusive of initial, occasional and additional expenses*, may be fairly estimated at about £235, although on the one hand it is possible by great care to live upon less, and on the other hand a larger expenditure will often enable the student to obtain greater advantages from a University career.

The items on which this estimate is based, including guesses as to personal expenses, are: Univ. fees (capitation tax), £5:5s.; Lecture fees, £18 to £25 according to the subject; College fees, £34 to £50 (tuition, £21 to £27; establishment charge, £12 to £15; College dues, £1 to £8); board and lodging, £80 to £182 (rooms and service, £30 to £54; food expenses, £41 to £107; fuel, £6 to £12; laundry, £3 to £9); personal expenses, £51 to £112 (books, travelling, tradesmen—including tailor, etc., clubs and societies). The excluded initial expenses are caution-money, £12 to £30, which is returned when the student leaves the University (in certain Colleges caution-money takes the form of a payment in advance, term by term, towards the next term's bill), College admission fee (£2 to £5), matricn. £5, furniture, linen, china, etc., £15 to £65, and cap, gown and surplice, £2 to £4:10s. The "occasional" fees are for examns., about £12, and degree fees, £3. The "additional" expenses (which may be heavy, especially if much private tuition has to be allowed for) are laboratory fees for technical and scientific subjects (an additional £10 to about £25), long vacation expenses and private tuition.

THE UNIVERSITY APPOINTMENTS BOARD is concerned with appointments of all kinds (Secy.—O. V. Guy, C.B.E., D.S.O., M.C., M.A.; Asst. Secs.—A. L. Maycock, M.C., M.A. (Education); W. N. C. van Grutten, O.B.E., M.C., M.A. (Engineering); P. T. Sinker, M.A. (Commerce). Address: Lensfield House, Lensfield Rd. *Telegrams*—Appointments, Cambridge. Telephone—54242/3.

Employment in the years 1939–46 was abnormal; the number of appts. reported in the year ended Dec. 31, 1947, was 694 (Government Service and Local Govt., 78; Educn., 221 of which 28 were of a temporary nature; Com-

merce and Industry, 386 of which 194 required qualifications in Engin. or Nat. Sci.; Miscellaneous, 9).

In addition long vacation employment was found for 147 men, mainly in technical industry.

CAMBRIDGE UNIVERSITY WOMEN'S APPOINTMENTS BOARD. Secretary—Mrs. K. M. Baxter, M.A. (Newn.), 18 Brookside, Cambridge. (Tel. 2629.) Interviews by appointment only.

The UNIVERSITY LIBRARY contains over 1,500,000 vols., including many early printed books, and over 10,000 MSS. and 230,000 maps. It is entitled under the Copyright Act to a copy of every book published in Gt. Britain and Ireland, and a large number of foreign books and periodicals are acquired by purchase. It contains, amongst others, the following remarkable collections: Acton library (mediæval, ecclesiastical and modern history, 60,000 vols.); W. G. Aston's Japanese library; Sir T. Wade's Chinese books; J. W. Clark collection (Cambridge books, pamphlets, papers, etc.). The annual budget is about £40,000.

Each College has a library. Some are interesting survivals of mediæval rooms kept in the state in which they were originally arranged. Among special collections in College libraries are: in Christ's College the Robertson Smith collection of Oriental books, many of which are connected with Semitic literature; in Gonville and Caius College 800 MSS., 60 *incunabula*, heraldic collections of Dr. John Knight (17th cent.), 1300 books and controversial pamphlets of Dr. Wm. Branthwaite (d. 1619), Norfolk and Suffolk topographical and genealogical works; in Girton College small collections of Oriental books, chiefly Sanskrit (Cowell) and Hebrew (Frere—printed catalogue), and Botany books and pamphlets (Ethel Sargent).

DEPARTMENTAL LIBRARIES. In the Old Schools (formerly the University Library) are now housed the following: The Squire Law Library; the Seeley Historical Library; the English Library; the Modern Languages Library (including the Beit Library of German books); the Moral Sciences Library. The Marshall Library of Economics is in Downing Street. The Oriental Languages Library (including the Bendall Sanskrit books) and the Music School are in what was formerly the Balfour Laboratory in Downing Place. In the Arts School are the library of the Philosophical Society and the Mathematical Institute.

MUSEUMS. (a) Art and Archæology.

The Fitzwilliam Museum (Director—C. Winter, M.A. Trin.) contains a large and valuable collection of paintings, drawings, engravings, Egyptian and Greek antiquities, ceramics, coins, illustrated MSS., autographs, early printed books, and music.

The Museum of Classical Archæology (Curator—Prof. A. W. Lawrence, M.A. Jes.) contains a collection of casts illustrating the history of Greek sculpture.

The Museum of Archæology and of Ethnology (Curator—T. T. Paterson, M.A., Ph.D. Trin.) has a large and increasing collection, including Saxon urns and ornaments, casts of Central American monuments, Egyptian stone implements, unique Fijian collections, and numerous others resulting from scientific expeditions by Cambridge men.

(b) Science.

The Museums of Science include museums, laboratories, lecture-rooms, classrooms, and workshops for Agric., Anat., Biochem., Bot., Chem., Engin. (including Engine-room, Elasticity, Elec., and Hydraulic Labs., and drawing office), Exper. Physics, Hum. Anat., Ethnol., Medicine, Mineralogy, Path., Physiol., Psychol., Zool.

The Museum of Zoology (Director—F. R. Parrington, M.A. Sid.) includes very complete series of vertebrates and invertebrates, a series of invertebrata from Naples, valuable collection of Polyzoa, extensive collection of marine animals from Pacific and Indian Oceans, and an important collection illustrating heredity, protective resemblance and mimicry.

The Sedgwick Museum of Geology (Curator—A. G. Brighton, M.A. Chr.) includes a fine collection of British and foreign building stones lately added to the Economic section.

LABORATORIES AND FIELD STATIONS.

Mathematical Laboratory (Director—M. V. Wilkes, M.A., Ph.D. Joh.).

The Zoological Laboratory, in addition to providing for the ordinary work of the Dept. and for research, affords special facilities for the study of diseases of animals and of economic entomology.

Low Temperature Station for Research in Biochemistry and Biophysics (Superintendent—E. C. Bate-Smith, Ph.D. Cai.).

The Botanic Garden (Director—H. Gilbert-Carter, M.B., Ch.B. Edin., M.A. Trin.).

The Scott Polar Research Institute, Lensfield Rd. (Director—Rev. W. L. S. Fleming, M.A. Trin. H.).

Dept. of Genetics, Storey's Way (Director—Prof. R. A. Fisher, Sc.D. Cai.).

The Molteno Institute of Biology and Parasitology, Downing St. (Director—Prof. D. Keilin, M.A. Magd.).

Research Institutes attached to the School of Agriculture :

Animal Nutrition Institute.

Plant Breeding Institute (Acting Director—G. D. H. Bell, Ph.D. Selw.).

Horticultural Research Station (Director—D. Boyes, M.A. Emm.).

Institute of Animal Pathology (Director—Prof. W. I. B. Beveridge, M.A. Jes.).

Provincial Economics Advisory Service (Economist—A. W. Menzies-Kitchen, Ph.D. Cath.).

A SCHOOL OF PATHOLOGY was endowed by the Rockefeller Foundation (£133,000) and Ernest Gates (£33,000) in 1924.

THE OBSERVATORIES (Director—Prof. R. O. Redman, M.A., Ph.D. Joh.) are about a mile from Cambridge. The older Obs. has a meridian circle of 8½ in. aperture ; the Northumberland equatorial 12 in. aperture ; the Sheepshanks photographic equatorial 12½ in. ; a number of smaller instruments, and a good library.

The SOLAR PHYSICS OBSERVATORY, standing close to the older Obs., has the Newall telescope (25 in.), McClean coelostat and spectrograph, Huggins telescopes, etc. The Univ. has taken over charge (for the Govt.) of the Solar Physics Obs. formerly at South Kensington, receiving a grant-in-aid.

THE OXFORD AND CAMBRIDGE SCHOOLS EXAMINATION BOARD, established 1873, examines or inspects and reports on the work of schools which provide education of the highest grade. It also holds yearly examns. and awards certificates—Higher and School—which exempt the holder, under certain conditions, from Responsions and the Previous Examination, the Matricn. examns. of London, the Northern and other English Univs., and the Preliminary examns. of various professional bodies, etc. The Regulations of the Board are published by the Ox. and Camb. Univ. Presses (post free 1s. 6d.). Secretaries : at Cambridge—A. E. E. McKenzie, M.A. Trin., 10 Trumpington St. ; at Oxford—G. J. R. Potter, M.A., 74 High St.

The CAMBRIDGE LOCAL EXAMINATIONS SYNDICATE, instituted in 1858, holds yearly School Certif. and Higher School Certif. Examns. in July at centres in

Gt. Britain; a School Certif. Examn. is also held in Dec. School Certif. and Higher School Certif. Examns. are held yearly in Dec. at oversea centres, notably in India, Malaya, W. Indies and Africa. The Oversea Jr. School Certif. is held in Dec. only. The Examns. in English for students whose mother tongue is not English, which include the Certif. of Proficiency* and the Lower Certif., are held in June and Dec. at home and overseas; the examn. for the Diploma of English Studies is held in Dec. only. The Examn. for the Cambridge Certif. in Religious Knowledge is held in July only. Regns. may be obtained from Syndicate Buildings, Cambridge; Secretary: J. L. Brereton, M.A.; Assistant Secretaries: T. S. Wyatt, M.A., A. V. Hardy, M.A.

The School Certif. and Higher School Certif. exempt the holder, under certain conditions, from the Previous Examn. and Responsions, the Matricn., Intermediate and First Medical Examns. of London and other Univs., and the Prelim. Examns. of various professional bodies. The Certif. of Proficiency in English exempts the holder from the entrance test in English at certain Universities.

The BOARD OF EXTRA-MURAL STUDIES undertakes non-vocational education of adults, mainly in the Eastern Counties, and also in a few centres further afield which still remain. It co-operates closely with the Workers' Educational Association, and with other voluntary associations and with Local Education Authorities in the arrangement of its teaching work. Not only are such bodies represented on the Board, but wide consultation, as required by the Education Act, 1944, takes place through the Regional Consultative Council for Adult Education in the Eastern Counties, which was established in 1945.

The teaching of the Board consists mainly of: (a) University Tutorial Classes, extending over 3 winter sessions; (b) University Sessional Classes, usually of 20-24 meetings; (c) University Extension Lecture Courses, usually of 10-12 meetings. Such courses were started in 1873 and frequently attract large audiences; (d) other short courses, many of a pioneer type.

Boxes of books recommended by tutors are supplied for each course and class.

Staff. The Board employs a number of part-time lecturers and tutors, and has a staff of 15 full-time tutors and lecturers, including Resident Tutors in seven country areas who, in addition to teaching, exercise a general supervision over the work of the Board and assist in the development of adult education in those areas.

In 1946-47 provision was made for: 14 Univ. Tutorial Classes, 60 Univ. Sessional Classes, 84 Univ. Extension Courses, 95 Pioneer Courses.

Bursaries. The Board has revived the practice, suspended during the War, of awarding bursaries to men and women in the adult education movement who have shown themselves to be capable of profiting by a course of Univ. study, but who, for one reason or another, have not had the opportunity. In 1947-48 five such adult students are in residence.

Summer Schools. The Board hold Vacation Courses, including (a) Summer School, in co-operation with the W.E.A., mainly for W.E.A. students, held annually. In 1947 this included a training course for potential tutors in adult education, and a "Refresher" Course in experimental psychology. (b) University Extension Summer Meeting—until 1939 held in Cambridge and Oxford in alternate years. (c) Vacation Courses for students from overseas, both from Europe and the U.S.A. and other English-speaking countries.

* The Univ. of London also awards a Certificate of Proficiency in English, v. p. 153.

(d) Summer Schools in co-operation with Scientific Departments of the Univ.—e.g. Metal Physics in 1947.

Details of the above may be obtained from the Secretary, G. F. Hickson, M.A., Stuart House, Cambridge.

PUBLICATIONS. The *Camb. Univ. Reporter*, weekly during term, 3d. a copy terminal subs. 2s. 6d., or by post 5s. 6d.; *Ordinances*, 1946 (fresh editions every 3 or 4 yrs.), 15s.; Annual Supplements, 2s. 6d.; *The Student's Handbook*, 1939–1940, 7s. 6d.; Annual Supplements, 2s. 6d.; *Facilities for Study and Research; Compendium of Univ. Regns.*, 9d.; *Statutes of the Univ. and Passages from Acts of Parlt.*, 5s.; *Endowments of the Univ.*, 1904, 10s. 6d.; *Alumni Cantabrigienses*, Ed. J. and J. A. Venn (to the year 1752–1900, seven volumes), £7: 10s. each vol.; *Matricens. and Degrees* (a list of all those who have entered the Univ.): 1544–1659, 45s.; 1851–1900, 15s.; 1901–1912, 12s. 6d.; the *Calendar*, annually (Nov.), 15s.; the *Historical Register*, 20s. *Historical Register Supplement*: 1911–20, 8s. 6d.; 1921–30, 12s. 6d.; 1931–40, 15s.; *Index to Tripos Lists*, 1748–1910, 10s.; *An Introduction to Cambridge*, by S. C. Roberts, 3s. 6d.; *The War List of the Univ. of Cambridge*, 1914–18, 7s. 6d.; *University Ceremonies*, by H. P. Stokes, 7s. 6d.; *The Cambridge Pocket Diary*, annually in Oct., 3s. These, and the books mentioned below, Mullinger's and Willis and Clark's, may be had from the Cambridge Univ. Press, Bentley House, 200 Euston Rd., London, N.W.1, and from all booksellers.

Histories, etc.: (a) *Annals of Cambridge*, by C. H. Cooper (5 vols.); (b) *The Univ. of Cambridge*, by J. B. Mullinger (3 vols. to the later 17th cent.); (c) College Histories, various authors—St. Catherine's, Pembroke, Gonville and Caius, Trinity, Girton; (d) *Architectural History of Cambridge*, R. Willis and J. W. Clark, 4 vols.

Magazines (unofficial): The *Cambridge Review*, the *Granta*, weekly during term.

THE YEAR 1946–47

BENEFACTIONS. Robert Edward Hart, Yale Univ. (in memory of Edward Stephen Harkness), and the Government of the Uruguayan Republic, books for the Library. Baron Georges de Menasce and Mrs. Frank Cook, gifts to the Fitzwilliam Museum. Mrs. Horace C. Beck, collection of beads. Miss R. Mackintosh, Egyptian amulets. Miss Phyllis Walker, lantern slides. Mrs. Hubert Hall, her late husband's robes. Mr. A. L. Reckett, a trust yielding £2250 a year. Dr. F. W. Aston, £1000 for the Cavendish Lab., £500 for the Fitzwilliam Museum. Dr. Louis Cobbett, £1000 for the Dept. of Pathol. Rockefeller Foundation, £1500 for research under Prof. Keilin, \$2500 for the Dept. of Colloid Sci., \$2000 for the Dept. of Chem., \$2500 for the Dept. of Radiotherapeutics. Nuffield Foundation, £2000 a yr. for five yrs. for Research Fellows in the Dept. of Appl. Econ. Other benefactions from Eli Lilly & Co., Messrs. Adam Hilger, Anglo-Iranian Oil Co., Brush Electrical Engineering Co.

DEVELOPMENTS. A School of Clinical Research and Postgraduate Teaching, to be known as the Medical School, has been constituted and there will be increased co-operation between the Univ. and Addenbrooke's Hosp. A Readership in Human Ecology has been estab'd. The Public Health Laboratory Service has become more closely associated with the Dept. of Pathol. by the appointment of a Univ. Director and Asst. Director of that service. In Dec. 1947 proposals to amend the Statutes were approved so that women should be admissible to membership of the Univ. on the same terms as men; Girton Coll. and Newnham Coll. will then be constituted colleges of the Univ.

DEATHS. 1946: Sir J. H. Jeans, Hon. Fellow of Trin.; Sir W. Langdon-Brown, Corp., Emeritus Reg. Prof. of Physic; Z. N. Brooke, Fellow of Cai, Prof. of Med. Hist.; W. H. Harvey, Chr.; C. S. Myers, Hon. Fellow Cai.; G. E. B. Bowes, Emm.; Sir H. W. Richmond, Master of Down, Emeritus Prof. of Imp. and Naval Hist.; Rt. Rev. Monsignor Canon J. B. Marshall, Trin.

1947: H. M. Chadwick, Hon. Fellow Cla., Emeritus Prof. of Anglo-Saxon; R. P. F. Roberts, Fellow of Corp., Univ. Lectr. in Law relating to Est. Man; Rev. C. M. Lambrick, Trin.; D. T. Oliver, Fellow of Trin. Hall, formerly Univ. Lectr. in Law; F. F. Blackman, Fellow of Joh., Emeritus Reader in Bot.; Col. K. D. B. Murray, Pet., Director in Military Studies; F. G. Blandford, M.A., Corp.; C. F. Clay, Trin., sometime Manager of the London publishing house of the Camb. Univ. Press; Rev. E. W. Johnson, Down Tutor of Cheshunt Coll.; G. G. Coulton, Fellow of Joh., Hon. Fellow of St. Cath., formerly Univ. Lectr. in Engl.; L. Cobbett, Trin., formerly Univ. Lectr. in Pathol.; A. Erant, Emm.; C. W. Previté-Orton, Fellow of Joh., Emeritus Prof. of Med. Hist.; D. A. Winstanley, Vice-Master of Trin.; Sir J. Barcroft, Fellow of King's, Emeritus Prof. of Physiol.; Sir F. G. Hopkins, Fellow of Trin., Emeritus Prof. of Biochem.; W. A. J. Archbold, Pet.; D. E. Lea, Trin., Reader in Radiotherapeutics; Ven. W. L. Mackennal, Trin.; H. D. Catling, Joh.; G. Matthai, Emm.; J. T. MacCurdy, Fellow of Corp., Univ. Lectr. in Psychopathol.; W. W. Watts, Hon. Fellow of Sidney; G. F. Shove, Fellow of King's, Reader in Econ.

RESIGNATIONS AND RETIREMENTS. *Professors:* G. N. Clark (Mod. Hist.), on appt. as Provost of Oriel Coll., Oxford; C. A. Storey (Arabic); F. J. M. Stratton (Astrophysics); Rev. W. Telfer (Divinity), on appt. as Master of Selwyn Coll., Cambridge. *Readers:* Sir G. P. Lenox-Conyngham (Geodesy); J. T. Sheppard (Classics). *Lecturers:* J. F. Allen (Physics), on appt. as Prof. of Nat. Philos., Univ. of St. Andrews; H. Banister (Exper. Psychol.); M. S. Bartlett (Maths.), on appt. as Prof. of Mathematical Physics, Univ. of Manchester; Miss M. Beare (German), on appt. as Reader in German, Univ. of London; G. A. Chase (Divinity), on appt. as Bishop of Ripon; H. B. Garland (German), on appt. as Head of Dept. of German in Univ. Coll. of S.W. of England; C. W. Gilbert (Physics), on appt. as Physicist at the Holt Radium Institute; W. R. M. Morton (Anat.), on appt. as Lectr. in Embryol., Queen's Univ., Belfast; Bishop S. C. Neill (Divinity), on appt. as representative of Archbishop of Canterbury at the Ecumenical Conference of the Churches; F. C. Phillips (Mineral. and Petrol.), on appt. as George Herdman Prof. of Geol., Univ. of Liverpool; A. E. Watkins (Agric.). *Demonstrators:* N. A. Burges (Bot.), on appt. as Prof. of Botany, Univ. of Sydney; H. Carmichael (Physics); N. B. Chapman (Org. and Inorg. Chem.); H. D. Conway (Engin.), on appt. as Prof. in Dept. of Theoretical and Appl. Mech., Cornell Univ.; J. V. Dunworth (Physics), on appt. as Senior Principal Scientific Officer in Government Service; J. D. Green (Anat.); F. G. Holliman (Org. and Inorg. Chem.). *Faculty Assistant Lecturers:* R. J. Getty (Classics), on appt. as Prof. of Latin, Univ. of Toronto; H. V. Livermore (Spanish); P. F. D. Tennant (Scandinavian). *Assistant Director of the Observatory and John Couch Adams Astronomer:* H. A. Brück, on appt. as Prof. of Astron. in the Dublin Institute for Advanced Studies.

HONORARY DEGREES. *D.D.*—George Armitage Chase, M.A., Master of Selwyn College, Bishop-elect of Ripon; Professor Nikolai Aleksandrovich Berdyaev. *I.L.D.*—General of the Army, Dwight David Eisenhower; Field-Marshal the Rt. Hon. Bernard Law Montgomery, Viscount Montgomery of

Alamein; H.E. Domingos de Sousa Holstein Beck, Duke of Palmella, M.A., of King's Coll., Portuguese Ambassador at the Court of St. James's; Field-Marshal the Rt. Hon. Archibald Percival Wavell, Earl Wavell; the Rt. Hon. Samuel Lowry Porter, Baron Porter, M.A., Hon. Fellow of Emm. Coll., Lord of Appeal in Ordinary; the Rt. Hon. Ernest Bevin, His Majesty's Principal Secretary of State for Foreign Affairs. *Sc.D.*—Linus Carl Pauling, Prof. of Chem., California Institute of Technology; Sir Edward Mellanby, M.D., Hon. Fellow of Emm. Coll., Secy. of the Medical Research Council; Charles Thomson Rees Wilson, M.A., Emeritus Prof. of Nat. Philos. and Fellow of Sidney Sussex Coll. *Litt.D.*—David Nichol Smith, Emeritus Prof. of English Lit. in the Univ. of Oxford; Frank Merry Stenton, Vice-Chancellor of the Univ. of Reading. *Mus.D.*—Edward Joseph Dent, M.A., Mus.B., Emeritus Prof. of Music and Fellow of King's Coll. *M.A.*—Otakar Vočadlo, Prof. of English Lit. in the Charles Univ. of Prague.

STUDENTS (excluding 83 men and 10 women not members of Univ.) whose homes are in the United Kingdom (which does not include Eire): men 5571, women 633; not in the United Kingdom but within British Empire: m. 371, w. 21; in foreign countries: m. 198, w. 19. Total: full-time, 6813.

RESEARCH STUDENTS, Dec. 1947, 724, of whom 354 were Cambridge graduates. Their distribution among the various fields of research was as follows: Agric. 14, Anat. 1, Anglo-Saxon 4, Animal Pathol. 6, Anthropol. 10, Archæol. 5, Astrophysics 6, Biochem. 33, Bot. 38, Classics 6, Col. Sc. 29, Divinity 3, Economics 27, Engin. 39, English 25, Exp. Med. 3, Genetics 7, Geog. 3, Geol. 4, Geophysics 9, Hist. 51, Law 15, Maths. 80, Metallurgy 15, Mineral. and Petrol. 5, Mod. Langs. 32, Mor. Sci. 11, Music 2, Org. and Inorg. Chem. 45, Oriental Langs. 8, Parasitol. 3, Pathol. 3, Pharmacol. 1, Physical Chem. 35, Physics 105, Physiol. 8, Psychol. 5, Radio Therapeutics 3, Theoret. Chem. 2, Zool. 23.

DEGREES. B.D., 2; B.A., 2341; M.A., 1089; Ph.D., 36; M.Litt., 2; LL.B., 22; LL.D., 1; M.Sc., 1; Sc.D., 9; M.B., B.Chir., 150; M.D., 42; M.Chir., 3; M.B., 2; Mus B., 5. Titles of degrees conferred on women during the academical year: B.A., 219; M.A., 121; Ph.D., 3; M.B., B.Chir., 8; M.B., 1; M.D., 1; Mus.B., 1.

UNIVERSITY OF DURHAM

Founded 1832

VISITOR—THE LORD BISHOP OF DURHAM.

CHANCELLOR—The Most Honourable THE MARQUESS OF LONDONDERRY,
K.G., M.V.O., D.C.L., LL.D.

VICE-CHANCELLOR—Rt. Hon. LORD EUSTACE PERCY, M.A. Ox, LL.D.
Edin, D.C.L.

PRO-VICE-CHANCELLOR—J. F. DUFF, M.A. Camb., M.Ed Manc., LL.D.
Aberd.

HON. TREASURER—Sir THOMAS BRADFORD, D.S.O., D.L.

REGISTRAR—W. S. ANGUS, M.A. Ox., LL.B. Liv.

ASSISTANT-REGISTRAR—E. M. BETTENSON, M.A. Camb.

UNIVERSITY OFFICES

46 North Bailey, Durham. Tel.: Durham 900-901.

23 St. Thomas' Street, Newcastle upon Tyne, 2. Tel.: Newcastle 21886.

(Correspondence should be addressed to the Durham office unless otherwise indicated.)

DIVISIONS OF THE UNIVERSITY

Durham Colleges: *see* p. 92.

King's College, Newcastle upon Tyne: *see* p. 96.

AFFILIATED COLLEGES

A. Colleges in which students may matriculate, keep terms, and pass exams., and so qualify without coming to England for the B.A., M.A., B.D., D.D., B.C.L. and D.C.L. degrees:

CODRINGTON COLLEGE, BARBADOS. Trustees (under the will of Christopher Codrington, who died in 1710)—The Society for the Propagation of the Gospel; Visitor—The Lord Bishop of Barbados; Principal—Rev. C. A. Sayer, B.A.; Prof. of Theology—Rev. R. J. Siderfin, B.D.; Prof. of Classics—Vacant; Prof. of Medicine—E. B. Carter, M.D., C.M.

FOURAH BAY COLLEGE, SIERRA LEONE. Founded in 1827 by the Church Missionary Society. In 1918 the Wesleyan Missionary Society became associated with the C.M.S. in the control of the College. Visitor—The Bishop of Sierra Leone; Deputy Visitors—The Chief Justice, the Colonial Secretary; Principal—Dr. F. H. Hilliard; 13 Tutors.

B. SUNDERLAND TECHNICAL COLLEGE. Founded in 1901. By the Durham University Act of 1908 this College was to be affiliated in the Schools of Engineering and Electrical Engineering when the equipment and staff should be deemed adequate. The affiliation took place in 1930, and in 1931 certain members of the staff were accorded the status of "Recognized Teachers"

in the University. The College is represented on Senate and on the Board of the Faculty of Applied Science. Principal—D. A. Wrangham, M.Sc., Sen. Wh. Sc., D.I.C.

ASSOCIATED COLLEGES

Under arrangements now being terminated, students have been able to take in these Colleges courses extending over three years, which qualify for the L.Th. No further students for the L.Th. may be admitted. Nine terms kept in one of these Colleges, after passing the Matriculation Examination, may be counted in lieu of six of the terms required for the B.A., if the student has obtained the L.Th.

St. Aidan's, Birkenhead; St. Andrew's, Oyo, Nigeria; St. Augustine's, Canterbury; the Bible Churchmen's Missionary Coll., Clifton; Chichester; Clifton, Bristol; Coates Hall, Edinburgh; Dorchester; Highbury; St. Peter's, Jamaica; Lichfield; Lincoln; Oak Hill; Queen's Coll., Birmingham; Queen's Coll., St. John's, Newfoundland; Salisbury, Warminster; Bishop Wilson School, Isle of Man.

GENERAL INFORMATION

The University was established in 1832. The College of Medicine, founded in Newcastle in 1834, was associated with the University first in 1852 and more closely in 1870. The Durham College of Physical Science, later Armstrong College, was founded in 1871 in Newcastle as a part of the University. The reconstitution of 1908 brought the Durham Colleges, the College of Medicine and Armstrong College into a closer relationship. The reconstitution of 1937 carried the process further, establishing a central financial control. It also merged the two Newcastle Colleges in King's College, Newcastle upon Tyne.

The University now consists of the Durham and Newcastle Divisions, *v. infra*. Three colleges elsewhere are affiliated to it and eighteen other colleges have hitherto been associated with it for study in Theology, *v. supra*.

LIBRARIES. See under the Divisions.

DEANS OF FACULTIES—*Theology*: Prof. S. L. Greenslade; *Arts*: Mr. E. F. Baxter; *Medicine*: Prof. R. B. Green; *Science*: Prof. A. D. Hobson; *Applied Science*: Prof. C. E. Pearson; *Music*: Dr. C. Burns; *Commerce*: Dr. D. M. Mennie; *Law*: Mr. E. C. Ryder; *Education*: Prof. B. Stanley; *Agriculture*: Prof. R. W. Wheldon.

ADMISSION. See Appendix I.

DEGREE COURSES. B.A., B.Sc. (in Sci. or Applied Sci.), B.Com., 3 yrs. (for Honours, 3 or 4 yrs.); a general Honours degree in Science is conferred; Evening students may proceed to B.Com. after 4 yrs.' course. B.A. (Soc. Studies), LL.B., 3 yrs.; B.A. (in Fine Art), 4 yrs. (for Hons., 5 yrs.); B.A. (Town and Country Planning), B.Arch., 5 yrs.; M.B., B.S., 6 yrs. of Med. study (3 yrs. at least in Med. School at Newcastle); B.D.S., 6 yrs.

HIGHER DEGREES. B.D., 9 terms. D.D., 10 yrs. from B.A., 5 yrs. from B.D. M.A., 6 terms from B.A., 6 terms from B.Arch.; M.Litt., 3 yrs.; M.Ed., 2 yrs.; D.Litt., 10 yrs. from B.A.; B.C.L., 6 terms from B.A.; D.C.L., 10 yrs. from B.A. M.D., or M.Sc., 2 yrs. from M.B., B.S.; D.Ch., 3 yrs. after registration as med. practitioner; D.Hy., 2 yrs. from B.Hy.; M.D.S., 2 yrs. from B.D.S.; M.Sc., 2 yrs. from B.Sc.; D.Sc., 4 yrs. from M.Sc. or Ph.D., or 6 yrs. from B.Sc. D.Mus., 15 terms from B.Mus. M.Com., 2 yrs. from B.Com. LL.M., 2 yrs. from LL.B. or B.C.L. Ph.D., 2 yrs. from admission as candidate.

Graduates of other Univs. are admissible to the following higher degrees

after pursuing studies indicated: M.Litt., 3 yrs. under supervision; M.Com., not less than 2 yrs. and not more than 4 yrs. in a course of advanced study or research under supervision; M.Ed., 2 yrs. under supervision; D.Ch., 3 yrs.' study, of which 1 yr. in Univ.; M.Sc., not less than 2 yrs.' and not more than 4 yrs.' advanced study or research under supervision; D.Mus., on examination; LL.M., not less than 2 yrs.' and not more than 4 yrs.' advanced study or research under supervision; Ph.D., not less than 2 yrs.' full-time advanced study or research under supervision in the Univ.

LICENCES. *Theology*, open to members of Church of England after 9 terms' residence at an Associated Theol. Coll. after matriculation. No further students for L.Th. may be admitted to Coll. *Dental Surgery*, open to matriculated students after 4 yrs.' professional study subsequent to registration.

DIPLOMAS. *Theology*—open to grads. of a Univ. of the British Empire after 6 terms at Durham. *Dip.Ed.*—open to grads. of approved Univ. after 3 terms' course. *Foreign Languages*—open to grads. of the Univ. in Arts or Commerce. *Arabic*—3 terms' course. *Architecture*—5 yrs.' course. *Town Planning*—Open to holders of a Cert. in Town Planning after 3 terms' course. *Art Teaching*—1 yr.'s course. *Public Health*—open to candidates who hold a Cert. in Public Health after an approved course. *Psychiatry*—open to registered medical practitioners. *Agriculture*—3 winters of 2 terms each. (Course suspended until further notice.) *Mining*—3 yrs.' course. *Commerce*—2 yrs.' course. *Public Administration*—2 yrs.' course. *Biblical Studies*—open to grads. of approved Univ. after 3 terms' course.

FEES. Matricn., £2. Examns.: B.A., B.Arch., B.Sc., B.Com., LL.B., £7; for M.B., B.S., £27; for B.D.S., £20; for M.A., M.S., M.Sc., M.Com., LL.M., B.D., D.Mus., £5; for M.Litt., B.C.L., M.Ed., £6; for M.D., £10; for M.D.S., B.Hy., £12; for B.Mus., £10; for D.D., D.C.L., Ph.D., £10: 10s.; for D.Ch., D.Hy., D.Sc., D.Litt., £15.

Degrees—for initial degrees, £4: 10s. (B.Hy., £6: 15s., M.Sc., LL.M., M.Com., M.Ed., £6: 10s., Ph.D., B.Mus., £5: 10s., D.Sc., £5); for Master's Degrees, B.D., B.C.L., M.S., M.D.S., £6; for higher doctorates, £10 (D.Mus., £15).

For Tuition Fees, v. Durham Colleges and King's College.

The UNIVERSITY APPOINTMENTS BOARD, which has recently been established, is concerned with appointments of all kinds. Its activities cover both the Durham Colleges and King's College, Newcastle upon Tyne. (*Appointments Officer*, W. N. Austin; *Assistant Appointments Officer*, G. G. Kerr, B.A. *Addresses*: 46 North Bailey, Durham, Tel. 900-901, and King's College, Newcastle upon Tyne, 1, Tel. 26351.)

PUBLICATIONS. *Univ. Cal.* (Oct.), 2s. 6d.; *Durh. Univ. Journal* (oldest Univ. Mag in England), once a term, 1s. 6d.; *Riddell Memorial Lectures* (Jan.), 2s. 6d.

THE YEAR 1946-47

NEW POSTS. Chair of Music (full-time replacing part-time); Readership in Educational Psychol. (*See also* New Posts under Durham Colls. and King's Coll., Newcastle.)

NEW COURSES AND CHANGES IN REGULATIONS. The regns. relating to the following higher degrees have been amended comprehensively: Ph.D., M.A., M.Litt., M.Sc., M.Com., LL.M. and M.Ed.

New courses have been instituted as follows: B.A. with Hons. in Music (in addition to existing B.Mus.); B.A. in Fine Art (Pass and Hons.) replacing existing Hons. School only, M.Sc. in Chem. Engin. and Agric. Engin.; Diploma in Biblical Studies (1 yr. full-time, 2 yr. part-time), intended primarily for teachers.

The course in Fuel Technol. for the B.Sc. in Appl. Sci. has been discontinued.

DEATH. Prof. Wilhelm Levison, Dr. Phil., D.Litt., Hon. Fellow of the Univ.

HONORARY DEGREES. (a) At a Special Congregation on Aug. 27, 1946: *D.C.L.*—Mr. John Moor, Headmaster of Henry Smith Grammar School, Hartlepool. *D.Litt.*—Emeritus Prof. C. E. Whiting, formerly Principal of St. Chad's Coll., Durham. *D.Sc.*—Dr. K. C. Dunham, Geological Survey of Great Britain. (b) At a Special Congregation on June 4, 1947: *D.C.L.*—Viscount Portal of Hungerford, Marshal of the Royal Air Force. (c) At a Degree Congregation on July 2, 1947: *D.D.*—Rev. Harold Henry Rowley, M.A., B.Litt., D.D., Prof. of Semitic Langs. in the Univ. of Manchester. *D.C.L.*—Mrs. Irene Ewing, O.B.E., B.Sc. Until 1945 Reader in Charge of the Dept. of Education of the Deaf at the Univ. of Manchester; Bernard Mouat Jones, M.A., D.S.O., Vice-Chancellor of the Univ. of Leeds; Rt. Hon. John James Lawson, M.P. One time Financial Secretary to War Office, Parliamentary Secretary to Ministry of Labour and Secretary of State for War; Alderman Sir Angus Watson, J.P. President of the Tyneside Council of Social Service, Chairman North of England Cancer Campaign Cttee. Northern Divisional Food Officer in the late war. *D.Litt.*—Thomas Downing Kendrick, F.B.A., Keeper of British and Mediæval Antiquities, British Museum. Secretary of the Society of Antiquaries. *D.Sc.*—Sir Claude Dixon Gibb, C.B.E., F.R.S., Director of C. A. Parsons Ltd., Director-General of Armoured Fighting Vehicles, and Chairman of Tank Board, Ministry of Supply. Chairman of the Univ. Appointments Board.

STUDENTS READING FOR DEGREES AND DIPLOMAS OF THE UNIVERSITY. Total: 3761; full-time: 3162; part-time: 599; the total includes 1050 women and 250 postgraduates.

DEGREES, etc. B.A., 150; M.A., 77; M.Litt., 2; M.Ed., 5; B.Arch., 7; B.C.L., 3; B.Com., 18; LL.B., 7; B.Sc., 197; M.Sc., 10; D.Sc., 3; Ph.D., 4; M.D., 7; M.B., B.S., 51; B.D.S., 13; B.Mus., 6; Dip.Th., 4; L.Th., 10; Dip.Educ., 131; Dip.Arch., 8; Dip. in Fine Art, 6; Dip. in Town Planning, 1; Dip. in For. Langs., 2; Dip. in Agric., 4; Dip. in Public Admin., 2; Dip. in Youth Service, 19.

DURHAM COLLEGES

WARDEN—J. F. DUFF, M.A. Camb., M.Ed. Manc., LL.D. Aberd. (Pro-Vice-Chancellor of the University).

SECRETARY—S. HOLGATE, M.A., Ph.D.

TREASURER—G. E. FAWCUS, C.I.E., O.B.E., M.A. Ox.

LIBRARIAN—D. G. RAMAGE, M.A. Edin.

Telephone : Warden, Treasurer and Secretary—Durham 300-301.

Office : 38 North Bailey, Durham.

TEACHING STAFF

Archæology

Birley, E. B., M.B.E., M.A. Ox.,
F.S.A.

Reader (Romano-British
A.) and Dir. Archæol.
Research.

Williams, R. T., B.A. Wales Lectr.
Collinge, N. E., B.A. Camb. Lectr.

Divinity and Eccl. History, v.
Theology

Botany

Valentine, D. H., M.A., Ph.D.
Camb., F.L.S. Reader.
Chalklin, Kathleen M., M.Sc.
Wales Lectr.
Crosby, J. L., M.A. Camb. Lectr.

Education

Eaglesham, E. J. R., M.A., B.Ed.
Prof.
Peel, E. A., B.Sc. Leeds, M.A.,
Ph.D. Lond. (Psychol.)
Reader.
Daldy, Dorothy M., M.Sc. Brist.
Lectr.

Chemistry

Paneth, F. A., Ph.D. Vienna,
F.R.S. Prof.
Christie, G. H., M.Sc., Ph.D. Sheff.
Sr. Lectr.
Gibby, C. W., M.Sc., Ph.D. Lond.
Lectr.
Musgrave, W. K. R., B.A., Ph.D.
Birm. Lectr.
Gregory, J. E., B.Sc. Birm. Lectr.

Burston, W. H., M.A. Brist. Lectr.
Watson, Ethel M., B.Sc. Lectr.
Hewitt, E. A., B.A. Brist. Lectr.
Giles, Gabrielle, D.Econ. Berlin
Lectr.

English Lang. and Lit.

Abbott, C. C., M.A. Lond., B.A.,
Ph.D. Camb. Prof.
Colgrave, B., M.A. Camb., F.S.A.
Reader.
Leech, C., M.A., Ph.D. Lond.
Lectr.

Classics

Morrison, J. S., M.A. Camb. (Greek
and Class. Lit.) Prof.
Wright, R. P., M.A., F.S.A. Camb.
Sr. Lectr.
Kerferd, G. B., M.A. Melb. and Ox.
Lectr.
Norman, R. T., M.A. Lond. and Ox.
(Anc. Hist. and Philos.)
Lectr.

Curgenven, J. P., M.A. Ox. Lectr.
Horsman, E. A., M.A. N.Z. Lectr.
Severs, W. K., M.A. Leeds Lectr.

French

Sells, A. L., M.A. Camb., D. ès L.
Paris Prof.

Scott, Ethleen M., M.A. Lond.

Lectr.

Wilson, R. L., M.A., B.Litt. St.
And. Lectr.

Trudgian, Helen M., D. ès L. Paris
Lectr.

Telfer, Jean M., B.A. Ox. Lectr.

Le Planquais, Arlette, L. ès L.
Paris Lectrice.

Mittaine, R. Asst.

Geography

Slater, L., M.A. Camb. Reader.

Holmes, C. W., M.A. Lectr.

Errington, Sarah C., B.A. Lectr.

Bowen-Jones, H., M.A. Camb. Lectr.

Aspin, N., M.A. Demr.

Geology

Wager, L. R., M.A., Sc.D. Camb.,
F.R.S. Prof.

Hopkins, W., M.Sc., Ph.D.
Sr. Lectr.

Stewart, F. H., B.Sc. Aberd., Ph.D.
Camb. Lectr.

Vincent, E. A., B.Sc. Reading
(Mineralogy) Lectr.

German

McCourt, Isobel, M.A., Ph.D.
Edin. Lectr.

Orton, G., M.A. Ox. Lectr.

Hebrew and Oriental Languages

Thacker, T. W., M.A. Ox. Prof.

Thornhill, Rev. R., M.A. Lectr.

History

Hughes, E., M.A. Manc. Prof.

Offler, H. S., M.A. Camb. (Med.
Hist.) Reader.

Lecturers

de Groot, E. H. U., M.A. Ox.

Jackson, Betty E., M.A. Ox.

James, M. E., B.A. Ox.

Mathematics

Burchnall, J. L., M.C., M.A. Ox. Prof.

Baxter, E. F., M.A. Camb., M.Sc.
Lond. Lectr.

Green, A. E., M.A., Ph.D. Camb. Lectr.

Willmore, T. J., M.Sc., Ph.D. Lond. Lectr.

Music [Prof.]

Hutchings, A. J. B., B.A., B.Mus.

Dickinson, A. E. F., M.A., B.Mus.
Lectr.

Philosophy

Barnes, W. H. F., M.A. Ox. Prof.

von Leyden, W., Ph.D. Florence Lectr.

Harrison, J., B.A. Ox. Lectr.

Physics

Wagstaff, J. E. P., M.A. Camb.,
D.Sc. Lond. Prof.

Chalmers, J. A., M.A., Ph.D.
Camb., B.Sc. Lond. Sr. Lectr.

Prowse, W. A., B.Sc., Ph.D. Lectr.

Thornton, S., B.Sc. Lectr.

Caffyn, J. E., B.Sc. Read. Lectr.

Politics and Economics

Hood, F. C., M.A. Edin. and Ox.
(Pol. Theory and Institutions) Prof.

Allen, E., M.A. (Econ.) Reader.

Moos, S., D.Econ. Berlin (Econ.)
Lectr.

Bromhead, P. A., B.A. Ox.
(Politics) Lectr.

Theology

Ramsey, Rev. Canon A. M., M.A.
Camb. Prof.

Greenslade, Rev. Canon S. L.,
M.A. Ox. Prof.

Whitehouse, Rev. W. A., M.A.,
B.Litt. Camb. Reader.

Barrett, Rev. C. K., M.A. Camb.
Lectr.

Cant, Rev. R. E., M.A. Camb. Lectr.

Wilkie, J. M., M.A. Edin. Lectr.

Zoology

Cragg, J. B., M.Sc. Reader.

Harley, Margaret B., B.Sc. Lond.
Lectr.

University Extension

43 Tutors were employed, of whom
17 were members of the University Staff. Director of
Extra-mural Studies: H. J.

Boyden, B.A., B.Sc. Lond.,
Organizing Secy. of N.E.
District of W.E.A.: C. H.
Hocking, B.A. Full-time
Tutor: R. C. Morton, B.A.
Liv.

THE DURHAM COLLEGES

UNIVERSITY AND HATFIELD. Master—Lt.-Col. A. A. Macfarlane-Grieve, M.C., M.A. Vice-Master of Hatfield College—E. B. Birley, M.B.E., M.A. Ox., F.S.A. Vice-Master of University College—L. Slater, M.A. Camb. Censor and Tutor in Arts—W. K. Severs, B.A. Leeds. Censor and Tutor in Science—J. E. Gregory, B.Sc. Birm. Librarian—R. P. Wright, M.A. Ox., F.S.A. Resident Chaplain—The Rev. R. C. D. Jasper, M.A. Leeds. Treasurer—G. E. Fawcus, C.I.E., O.B.E., M.A. Ox.

ST. CHAD'S. Principal—The Rev. T. S. Wetherall, M.A. Ox. Vice-Principal—The Rev. M. D. S. Peck, M.A. Lectr.—G. B. Kerferd, M.A. Lectr.—The Rev. R. E. Cant, M.A.

ST. JOHN'S. Principal—The Rev. R. R. Williams, M.A. Censor and Chaplain—The Rev. D. R. Michell, M.A. Tutors—The Rev. R. J. Hammer, M.A., B.D.; H. G. Ramm, B.A.

ST. MARY'S (for women). Principal—Margaret B. Fergusson, M.A., St. And. and Camb. Vice-Principal—Miss H. F. M. Prescott, M.A. Ox. and Manc. Tutors—Sarah C. Errington, M.A.; Betty E. Jackson, M.A. Ox.; Ethel Watson, B.Sc.; Marjorie B. Booth; Margaret Allen; Dorothy Whewell, B.A. Lond.

* **BEDE** (Training College for men). Principal—The Rev. G. E. Brigstocke, M.A. Ox. Vice-Principal—D. E. Webster, B.Sc., M.Ed. Lectrs.—The Rev. L. R. Pearson, M.A.; G. E. Selby, M.A.; W. A. Grier, M.A.; H. Dawson-Walker, M.A.; H. B. Hannah, M.A.; J. K. Powell; W. J. Ingram; S. K. Young, M.D. (also Medical Officer).

† **ST. HILD'S (for women).** Principal—Angel L. Lawrence, M.B.E., M.A., LL.B. Lectrs.—Helen Ewence, M.A.; Gladys Hinde, Ph.D.; Kathleen A. Diggle; Barbara McRae, B.A.; Christina G. Peddlesden; Margaret E. Hogg, B.Sc.; Vivian Gibbon, B.A.; Annie Smailes; Violet E. Dale; C. Maude, F.R.C.O.

† **NEVILLE'S CROSS (for women).** Principal—Mabel S. Coey, B.A. Lectrs.—Marjorie J. Anderton, B.A.; Mary Benson, M.A., B.Sc.; Barbara Bott; Marjorie C. Haywood, M.A.; Winifred M. A. Lomas, B.Sc.; Frances I. P. Love, M.A.; Netty M. Lunan, M.A.; C. Maude, F.R.C.O.; Susan MacMahon, M.B., Ch.B.; Dorothy Whitehouse, M.A. Secretary—Lina G. Yeoman.

ST. CUTHBERT'S SOCIETY. Censor—C. Leech, M.A., Ph.D. Lond.

ST. AIDAN'S SOCIETY (Women). Principal—Ethleen M. Scott, M.A. Lond.

* Training College under the Ministry of Education recognized as a College of the Durham Division of the University.

† Training Colleges under the Ministry of Education licensed by the Council of the Durham Colleges as places of residence for students reading for degrees in the Durham Division of the University.

GENERAL INFORMATION

For early history, see *Yearbook* for 1929.

LIBRARY, 80,000 vols., 173 incunabula; including rare theological and patristic books. Separate Science Library in the Department of Science.

ADMISSION. See Appendix I.

FEES (including tuition, board and lodging, and subscriptions). Univ., Hatfield, St. Chad's, St. John's, caution money £5, ann. charges—Arts £140, Science £146. St. Mary's, ann. charges—caution money £5, Arts £125, Science £131. The fees payable in the remaining colleges vary with the means of the student. Students of St. Cuthbert's Society and St. Aidan's Society pay £30 p.a. in Arts, £36 p.a. in Science tuition fees. In addition, all students pay £3 subscriptions to Sport Clubs and Societies.

FELLOWSHIPS AND STUDENTSHIPS. 9 Research Studentships, £200, open only to candidates who have kept terms and taken an initial degree in Durham Division. Pemberton Research Studentship, £200, open only to candidates who have kept terms and taken B.Sc. in Durham Division. One Research Fellowship in Arts, £600, and one Research Fellowship in Science, £600.

SCHOLARSHIPS. Seven Foundation Entrance Scholarships of maximum value £70 are awarded each year by examination. There are also other Scholarships available to students in residence. The Entrance Scholarships and some of the other Scholarships are eligible for supplementation.

THE YEAR 1946-47

NEW BUILDINGS. H.R.H. the Princess Elizabeth laid the Foundation Stone of the new St. Mary's College in October 1947. The building had been begun about a year earlier. A new building for students in Hatfield College is also under construction.

EXTRA-MURAL WORK. 64 classes were held during the year, divided by subjects as follows: English Lit., 10; Internat. Affairs, 10; Psychol., 10; Hist., 7; the Arts, 9; Econ., 4; Religious subjects, 3; Scientific subjects, 3.

RETIREMENT. Rev. Canon E. G. Pace, Reader in Divinity, Vice-Master of Hatfield Coll. and Director of Extra-Mural Studies.

RESIGNATIONS. L. S. Joyce (Lectr., Physics), to the Grammar Sch., Chesterfield; J. F. Willatt (Lectr., Educn.), to Freckleton Training Coll.; Mrs. E. H. Fawcett (Lectr., Hist.); Rev. Canon E. F. Braley (Principal, Bede Coll.), to a Canonry of Worcester.

DEATH. Dr. W. Levison, Hon. Fellow.

STUDENTS. Total: 620; full-time: 614; part-time: 6; the total includes 161 women and 96 postgraduates.

DEGREES. B.A., 76; M.A., 55; M.Litt., 2; M.Ed., 2; B.C.L., 2; B.Sc., 39; M.Sc., 3; D.Sc., 1.

KING'S COLLEGE, NEWCASTLE UPON TYNE

CHAIRMAN OF COUNCIL—Rt. Hon. THE VISCOUNT RIDLEY.

RECTOR—Rt. Hon. LORD EUSTACE PERCY, M.A. Ox., LL.D. Edin.,
D.C.L. (Vice-Chancellor of the University).

SUB-RECTOR—Prof. W. E. CURTIS, D.Sc. Lond., F.I.P., D.I.C., F.R.A.S.,
F.R.S.

DEAN OF MEDICINE—Prof. R. B. GREEN, M.B., B.S. Lond., M.A.,
F.R.C.S.

REGISTRAR—G. R. HANSON, B.A.

BURSAR—J. TELFER.

LIBRARIAN—R. O. MACKENNA, M.A. Glas.

Telephone : College—Newcastle upon Tyne 23401.
Medical School—Newcastle upon Tyne 21601.

TEACHING STAFF

<i>Accounting</i>		<i>Art</i> (School of Fine Art)	
Bell, Albert, F.C.A.	Lectr.	Gowing, L.	
Wilson, E. T.	Lectr.	Prof. and Dir. of School.	
<i>Agriculture and Rural Economy,</i> <i>v infra</i>		McCheyne, J. R. M., D.Art. Edin.	
<i>Anatomy, v. Med.</i>		(Sculpture)	Master.
<i>Archæology, v. Classics</i>		Evetts, L. C., M.A. (Design)	
<i>Architecture</i>			Master.
Edwards, W. B., B.Arch. Liv.,		Cornford, C. (Painting)	Master.
M.A. Manc., F.R.I.B.A. Prof.		Dalby, Helen (Textile and Dress Design)	Lectr.
Lecturers		Dudley, G. M. (Sculpture)	Lectr.
Napper, J. H., M.A.		De Grey, R. (Painting)	Lectr.
Spence, C. C., B.A.		Howie, Jean (Dress Design)	Lectr.
Turley, R.		Straker, E. J. (Comm. Art and Display)	Lectr.
Allsopp, H. B., B.Arch., Dip.C.D.		Lall, Mrs. Diana M., B.A. Birm.	
Liv.		(Hist. of Art)	Lectr.
Cooper, C. H., B.Arch. Liv.		Hodgson, Louisa (Painting)	
Williamson, W. H.		Asst. Teacher.	
Fielden, F., Dip.Arch. Manc		Kenyon, G. L. (Woodwork)	Teacher.
Wharfe, H., Dip.Arch., Dip.T. and C.P. Leeds.		Hedworth, W. (Metalwork)	Teacher.
Lectrs. in Evening Courses		Palmer, Sylvia, M.A. Edin.	
Smith, J. C., Dip.Arch.		Sec. Librarian.	
Taylor, W.			
Ryder, J. G.			

Bacteriology, v. Med.

Botany, v. also *infra* Agric.

- Thomas, M., M.A. Camb.
 Prof. and Reader in Plant
 Physiol.
 Blackburn, Kathleen B., D.Sc.
 Lond., F.L.S. (Cytology)
 Reader.
 Clark, W. A., B.Sc., Ph.D. St. And.
 Lectr.
 Fothergill, P. G., B.Sc., Ph.D.
 Lectr.
 Richardson, J. A., B.Sc. Lectr.
 Ranson, S. L., B.Sc. Lectr.
 Dickenson, P. B., B.Sc. Demr.
 Elliott, Evelyn, B.Sc. Demr.

Chemistry, v. also *infra* Agric.

- Clemon, G. R., Ph.D., D.Sc. Lond.,
 D.Phil. Ox., F.R.S., F.C.S.,
 F.R.I.C.
 (Org. C.) Prof. and Dir.
 of Dept.
 Wynne-Jones, W. F. K., B.Sc. Ox.,
 D.Sc. Wales (Phys. C.) Prof.
 Robinson, P. L., D.Sc., F.C.S.,
 F.R.I.C. Reader.

Lecturers

- Aynsley, Rev. E. E., M.Sc., Ph.D.,
 F.R.I.C.
 Bishop, E., B.Sc. Glas., F.C.S.
 Dodd, R. E., B.A. Ox., F.C.S.
 Harris, J. O., B.Sc., Ph.D. Lond.
 Holden, D., M.Sc. Manc., F.C.S.
 Madgin, W. M., D.Sc., F.C.S.
 Mallen, Catherine E., M.A. Camb.,
 F.C.S.
 Raper, R., M.A., Ph.D. Camb.,
 F.C.S., F.R.I.C.
 Simmonds, W. H. C., M.A., B.Sc.
 Ox.
 Swan, G. A., B.Sc., Ph.D.
 Weiss, J., D.Eng. Vienna, Ph.D.
 Lond., F.C.S.
 Smith, J. H. Dept. Asst.

Classics and Ancient History

- Fletcher, G. B. A., M.A. Camb.
 (Classics) Prof.

- Richmond, I. A., M.A. Ox., LL.D.
 Edin., F.B.A., F.S.A.
 (Roman-Brit. Archæol.)
 Reader.

- Westlake, H. D., M.A. Camb.
 (Greek) Reader.
 Anderton, Mrs. Constance M.,
 M.A. Lectr.
 Whittick, G. C., M.A. Ox. Lectr.
 Sims, B. J., M.A. Camb. Lectr.

Dentistry, v. *infra*

Dvinity

- Allen, Rev. E. L., M.A., Ph.D.
 Lond., D.D. Aberd. Lectr.

Economics, v. also Accounting

- Jack, D. T., M.A. Glas.
 D. Dale Prof.
 McCallum, E. D., M.A. Glas.
 (Industrial Org.) Reader.
 Highton, H. E. R., M.A. Glas.

- Lectr.
 Milne, A. M., O.B.E., M.A. Edin.
 Lectr.
 Abel, Joyce, B.A. Lectr.
 Braithwaite, Constance, B.Sc.
 (Econ.), Ph.D. Lond.
 (Social Studies) Lectr.

- Petch, G. A., B.Com. Leeds Lectr.
 Smith, F. M., B.A. Ox and Mt. A.
 (Social Studies) Lectr.

Education

- Stanley, B., M.A. Ox. Prof.
 Peel, E. A., B.Sc. Leeds, M.A.,
 Ph.D. Lond. (Psychol.)
 Reader.
 Brown, V., O.B.E., T.D., M.Sc.
 Lectr.

- Atkinson, Mary B. Lectr.
 Clark, R. P., M.A., B.Ed. Edin.
 Lectr.

- Smeltzer, D., B.Sc. Lectr.
 Lloyd, Alice K., M.A. Ox. Lectr.
 Nelder, Norah M. Lectr.
 Ward, Irene J., B.Sc. Lond. Lectr.
 McKenzie, A. W., B.Sc. Lectr.
 Tuck, J. P., M.A. Camb. * Lectr.
 Liddell, L. E., B.A. Leeds Lectr.
 Haslewood, Mrs. Doreen C. Lectr.

Gilbert, M., M.A. Camb., B.A.,
B.Sc. (Econ.) Lond. Lectr.
Sievwright, Margaret F.
(Speech and Drama) Asst.

Engineering, Civil

Cassie, W. F., Ph.D. St. And.,
M.S. Illinois Prof.
Lecturers

O'Grady, S. C., B.A., B.A.I. Dub
Isaac, P. C. G., B.Sc. (Eng.) Lond.
Cooper, D. W., B.Sc. (Eng.) Lond.

Engin., Mechanical and Marine
v. also Nav. Arch.

Burstall, A. F., D.Sc. Melb., Ph.D.
Camb., M.Sc. (Eng.) Birm.

Talbott, A. C., M.Sc. Birm. Lectr.
Beeley, E. W., M.Sc. Tech. Manc.
Lectr.

Hiscock, R., M.Sc. Lectr.
Le Fevre, E. J., B.Sc. (Eng.) Lond.
Lectr.

Patterson, W. S., D.Sc., Ph.D.
Lond., M.Sc. Leeds, F.R.I.C.
(Fuel Technol.) Lectr.

Robinson, F., B.Sc. (Eng.) Lond.
Lectr.

Cohen, H., M.A. Camb. Lectr.
Gilchrist, A., B.Sc. Lectr.

Gregory, R. W., B.Sc. Camb.
Lectr.

Parris, G. C. M., B.Sc. (Eng.)
Lond. Lectr.

Jones, A. W., B.Sc. (Marine Eng.)
Lectr.

Boggis, A. G., B.Sc. (Eng.) Lond.
Research Asst.

Engineering, Electrical

Prescott, J. C., D.Eng. Liv. Prof.
Lyddiard, J. A., B.Sc. Birm.

Crymble, C. F., M.Sc. Leeds
Lectr.

Livingstone, E. A., M.Sc. Lectr.
Ritson, F. J. U., B.Sc. Lectr.

Short, P., M.Sc. (Eng.) Lond.
Lectr.

English

Butt, J. E., B.Litt., M.A. Ox.
J. Cowen Prof.

Elmes, R. S., M.A. Camb. Lectr.
Macdonald, A., M.A., Ph.D. Edin.
Lectr.

Kermode, J. F., M.A. Liv. Lectr.
Ure, P., M.A. Liv. Lectr.

Christian, Ruth, B.A. Leeds
Asst. Lectr.

French, v. Modern Langs.

Genetics, v. Botany

Geography

Daysh, G. H. J., B.Litt. Ox. Prof.
House, J. W., M.A. Ox. Lectr.

Caesar, A. A. L., M.A. Camb. Lectr.
Conzen, M. R. G., M.A., Dip.T.P.
Manc. Lectr.

McDonald, Mary, B.Sc. Demr.
Simpson, Rosemarie G., B.Sc.

Demr.

Geology

Hickling, H. G. A., D.Sc.
Manc., M.Sc., F.R.S., F.G.S.

J. B. Simpson Prof.
Mockler, G. S., B.Sc. Manc. Lectr.

Raistrick, A., M.Sc., Ph.D. Leeds,
F.G.S. Lectr.

Tomkeieff, S. J., D.Sc., F.G.S.
Lectr.

Shirley, J., D.Sc. Manc., F.G.S.
Lectr.

Lee, J., B.Sc. Lond. Dept. Asst.

German, v. Mod. Langs.

History, Modern

Burn, W. L., M.A. Ox. Prof.
Brown, J. M., M.A. Glas. (Politics)
Reader.

Tomkeieff, Mrs. Olive G., M.A.,
LL.B. Camb. Lectr.

Taylor, Mrs. Joan M., B.A. Lond.
Lectr.

Beckingsale, B. W., M.A. Camb.
Lectr.

Brunton, D., B.A. Ox. Lectr.

Hughes, E. W., M.A. Ox. (Politics)
Lectr.

History, Ancient, v. Classics

Law

- Ryder, E. C., M.A., LL.B. Camb.
Lectr. and Director of
Legal Studies.
Charlesworth, J., LL.D. Lond.
Lectr.
Motion, A. W., M.A., LL.B. Camb.
Lectr.

Mathematics

- Goldsbrough, G. R., C.B.E., D.Sc.,
F.R.S.
Prof, Reader in Dyna-
mical Astron. and Di-
rector of Dept.
Offord, A. C., D.Sc. Lond., Ph.D.
Camb. Prof.
Rogosinski, W., Dr.Phil. Götting-
en (Math. Analysis) Reader.
Colborne, D. C., M.A. Camb Lectr.
Gilbert, C., B.Sc., Ph.D. Lond.
Lectr.
Wilkes, E. W., M.A., B.Sc. Ox.
Lectr.
Mitchell, K., B.A., Ph.D. Camb.
Lectr.

Metallurgy

- Pearson, C. E., M.Met. Sheff.
William Cochrane Prof.
Ellwood, E. C., B.Sc. Lond. Lectr.
Tottle, C. R., B.Met. Sheff. Lectr.
Parkins, R. N., B.Sc. Lectr.

Mining

- Poole, G., B.Sc. Birm., F.G.S.
Milburn Prof.
Potts, E. L. J., M.Sc. Reader.
Robinson, H. Y., B.Sc. Lectr.
Mackenzie, I., M.B.E., M.B., Ch.B.
Edin., F.R.C.S.Ed.
(First Aid) Lectr.

Modern Languages

French

- Girdlestone, C. M., M.A. Camb,
L. ès L. Paris Prof.
Delacourcelle, Mrs. Doris W., M.A.
Camb., L. ès L., D. d'Univ.
Poitiers Lectr.

- Suckling, N. C., M.A. Ox., B.A.
Lond. Lectr.
Long, E. P. E., M.A. Liv., D.
d'Univ. Paris Lectr.
Underwood, V. P., M.A., Ph.D.
Lond. Lectr.
Philippe, Simone R. Lectr.
German and Scandinavian
Languages
Mennie, D. M., M.A. Aberd.,
D.Phil. Kiel Reader.
Sinclair, R., M.A. Edin. Lectr.
McFarlane, J. W., M.A. Ox.
Lectr.
Manners, Mrs. Amy, B.A. Lectr.
Nygren, O. E., Phil.Mag. Uppsala
(Swedish) Lectr.
Stöverud, T. (Norwegian) Lectr.
Spanish
Sarmiento, E., B.A., Ph.D. Lond.
Reader.
Blair, Mrs. Jessie M., M.A. Edin.
Lectr.
Reid, K. S., B.A. Durh. and Lond.
Lectr.
Taylor, A. L., B.A. Sheff. Lectr.

Music

- Burns, C., M.A., Mus.B. Camb.,
Mus.Doc. Edin.
Lectr. and Director of
Dept. in Newcastle.
Hilton, E., Mus.B. Manc., M.Ed.
Lectr.

Naval Architecture

- Burrill, L. C., M.Sc., Ph.D. Prof.
Muckle, W., M.Sc. Lectr.
McLachlan, J. E. Lectr.

Philosophy, Mental and Moral

- Prof.
Rainer, A. C. A., M.A. Edin.
Lectr.
Russell, D. C., B.A. Lond., A.M.
Harv. (Psychol.) Lectr.

Physics

- Curtis, W. E., D.Sc. Lond., D.I.C.,
F.Inst.P., F.R.S., F.R.A.S.
Prof. and Director of Dept.

- Todd, G. W., M.A. Camb., D.Sc.
Birm., M.Sc., F.Inst.P.
(Expl. P.) Prof.
- Richardson, E. G., B.A., Ph.D.,
D.Sc. Lond. Reader.
- Wood, J. F., M.Sc. Lectr.
- Darbyshire, O., M.Sc. Manc.,
F.Inst.P. Lectr.
- Roscoe, R., B.Sc., Ph.D. Lond.
Lectr.
- Schneider, E. E., Ph.D. Freiburg
Lectr.
- Littlefield, T. A., B.Sc., Ph.D.
Lectr.
- Thorley, N., B.Sc., Ph.D. Leeds,
F.Inst.P. Lectr.
- Corlett, Mrs. Edna L., B.Sc. Lond.
Demr.
- Bainbridge, W. Dept. Asst.
- Physiology*, v. Med.
- Psychology*, v. Philosophy
- Speech and Drama*, v. Educa-
tion
- Town and Country Planning*
- Allen, J. S., B.Arch. Liv. Prof.
- Hackett, B. Lectr.
- Lyon, T. F., Dip.Arch. Glas. Lectr.
- Charlesworth, J., LL.D. Lond.
(Town Planning Law) Lectr.
- Roberts, Mrs. Nora, B.Arch. Liv.
Lectr.
- Tetlow, M. B., B.A. Manc.,
Dip.T.P. Leeds Lectr.
- Storey, R. J., F.A.I. Lectr.
- Zoology*
- Hobson, A. D., M.A. Camb. Prof.
- Varley, G. C., M.A., Ph.D. Camb.
(Entomol.) Reader.
- Beadle, L. C., M.A. Camb. Lectr.
- Steel, A., M.Sc. Wales Lectr.
- Ellenby, C., B.Sc., Ph.D. Lond.
Lectr.
- Wood, Mary A., B.Sc., Ph.D.
Lond. Lectr.
- Philp, Ursula, Ph.D. Berlin Lectr.
- Shaw, J., B.A. Camb. Lectr.
- Ellenby, Mrs. Mary, B.Sc. Lond.
Demr.
- Philipson, G. N., B.Sc. Demr.
- Bull, H. O., D.Sc., Ph.D. Lond.
Assistant Director at
Marine Lab.
- Stephenson, W., B.Sc., Ph.D.
Naturalist at Marine Lab.
- Cowan, Mrs. Dorothy
Librarian at Marine Lab
- Agriculture and Rural Economy**
- Agriculture*
- Wheldon, R. W., D.Sc.
Prof. and Director of Dept.
- Pawson, H. C., M.B.E., M.Sc.
Lectr.
- Hall, J. S., B.Sc. Lectr.
- Hodgson, N. F. Asst.
- Watson, J. H., B.Sc. Asst.
- Agric. Bacteriology*
- Allan, Ruth E. A., B.Sc. Lectr.
- Agric. Botany*
- Jones, M., M.Sc. Wales Prof.
- Clark, Mrs. Helena H., M.Sc. Lectr.
- Smith, J. D., B.Sc. Demr.
- Hewitt, Amy A., B.Sc., Dip. Ed.
Demr.
- Agric. Chemistry*
- Thomas, B., M.Sc.
Reader and Asst. Director.
- Hunter, F., B.Sc. Lectr.
- Thompson, A., B.Sc. Lectr.
- Armstrong, D. G., B.Sc. Demr.
- Armstrong, R. H., B.Sc. Demr.
- Agric. Economics*
- Dinsdale, D. H., M.A.
Asst. Director.
- Agric. Engineering*
- M'Ewen, E., B.Sc. Lond. Prof.
- Mouat, G. C., B.Sc. Lectr.
- Agric. Entomology*
- Harrison, G. H., Ph.D. Lectr.
- Agric. Surveying and Estate Man-
agement*
- Main, A., B.Sc. Lectr.

Medicine

Green, R. B., M.B., B.S. Lond.,
M.A., F.R.C.S. Dean.
Armstrong, C. N., M.D., B.S.,
B Hy., D.P.H., F.R.C.P.
Clinical Sub-Dean.

Anæsthetics

Pask, E. A., O.B.E., M.A., M.D.,
Ch B Camb, D.A. Reader.

Clinical Tutors

Ayre, T. P.
Davison, M. H. A., M.B.E., M.D.,
B.S., D.A.
Houston, Mrs. Winifred M., M.B.,
B.S.
Markham, H. H., M.B., B.S., D.A.
Murray, J. L., M.B., B.S.
Osselton, Eleanor W., M.B., B.S.
Phillips, W. J., B.Sc., M.B., B.S.,
D.A.
Goldston, Madeline, M.B., B.S.

Anatomy

Green, R. B., M.B., B.S. Lond.,
M.A., F.R.C.S. Prof.
Short, J., M.A. Ox., M.B., B.S.
Sr. Lectr. and Deputy Dir.

Lecturers

Tonge, C. H., M.B., B.S.
Barlow, T. E., M.B., Ch.B. Manc.
Gray, J. E., M.B., B.S.

Demonstrators

Robertson, D. I., M.B., B.S.
Ferguson, W. G., M.B., B.S.

Bacteriology

Dunlop, E. M., M.C., M.D. Glas.,
M.A. Prof.
Elliot, J. S., M.B., Ch.B. Edin.,
D.P.H. Lectr.
Emslie-Smith, A. H., M.B., Ch.B.
Aberd. Lectr.
Emslie-Smith, Mrs. Muriel, M.Sc.
Lectr.
Miller, T. K., B.Sc. Lectr.

Child Health

Spence, J. C., M.D., B.S., F.R.C.P.
Nuffield Prof.

Court, S. D. M., M.B., Ch.B. Birm.,
D.C.H. Reader.
Gairdner, D. M. T., B.M., B.Ch.
Ox. Asst.

Clinical Teachers

Davison, G., M.D., B.S., D.C.H.
Wright, Elsie B., M.D., B.S. Lond.
Miller, F. J. W., M.D., B.S., D.C.H.

Registrars

Swinburne, Margaret, M.B., B.S.
Stansfield, J. M., M.B., Ch.B.
Camb.
Woll, Norah K., M.B., B.S.

Research Assistant

Fawcett, Ruth M., M.B., B.S.
Lond., D.C.H.

Dentistry, v. infra

Dermatology

Thompson, S., M.D., B.S. Lectr.
Bolam, R. M., M.A., M.D., B.Ch.
Camb. Clinical Teacher.

Hygiene, v. Pub. Health

Industrial Health

Browne, R. C., M.A., D.M. Ox
Nuffield Prof
Saint, E. G., M.B., B.S., B.Sc.
Clinical Asst
Beck, Isobel F. Social Asst.
Campbell, H., B.A. Lond.
Statistical Asst.
Baxter, I. G., B.Sc.
Research Asst.

Laryngology, Otology and Rhinology

McGuckin, F., M.D., B.S.,
F.R.C.S. Ed. Lectr.
Black, J. I. M., M.D., M.S.,
F.R.C.S. Clin. Teacher.
Reid, J. L., B.M., B.Ch. Ox.
Clin. Teacher.

Medical Jurisprudence

Stephenson, G. E., M.C., B.Sc.,
M.D., B.S. Lectr.

Medicine, Principles and Practice

Natrass, F. J., M.D., B.S.,
F.R.C.P. Prof.
Mowbray, R., M.D., B.S., D.C.H.
Asst

Clinical Teachers in Med.

Armstrong, C. N., M.D., B.S.,
B.Hy., D.P.H., F.R.C.P.
Ogilvie, A. G., M.D., B.S.
Ungley, C. C., M.D., B.S., F.R.C.P.
Boon, T. H., M.D., B.S.
Dewar, H. A., M.D., B.S.
Miller, H. G., M.D., B.S., D.P.M.

Midwifery and Gynaecology

Murray, E. F., M.D., Ch.B. St.
And., F.R.C.S., F.R.C.O.G.
Prof.
Evers, H. H., M.B., M.S., F.R.C.S.,
F.R.C.O.G. Lectr.
Nicholson, E. L., M.B., Ch.B.
Glas. Asst.
Arthur, H. R., M.B., B.S. Lond.,
F.R.C.S. Asst

Clinical Teachers

Stabler, F. E., V.D., M.D., B.S.,
F.R.C.S., F.R.C.O.G.
Hunter, W., M.D., B.S.

Ophthalmology

Ingram, H. V., O.B.E., T.D., M.B.,
B.S., D.O.M.S. Lectr.

Clinical Teachers

Arkle, J. S., O.B.E., M.B., B.S.,
F.R.C.S.Ed.
Rankin, Margaret, M.B., B.S.
Lake, L. H., M.B., B.S., D.O.M.S.

Orthopaedics

Irwin, C. G., M.B., B.S.,
F.R.C.S.Ed. Lectr.
Stanger, J. K., M.B., B.S., F.R.C.S.
Clin. Teacher.

Pathology

Duguid, J. B., M.D., Ch.B. Aberd
Prof
Herbert, Freda K., M.A. Camb.,
M.B., B.S. Lond. (Chem
Path.) Reader.

Thomson, J. G., M.D., Ch.B.
Aberd. Lectr.

Rannie, I., B.Sc., M.B., Ch.B.
Glas. Lectr.

Schade, R. O. C., M.D. Wuerzburg
Lectr.

Hill, K. R., B.Sc., M.D., B.S.
Lond. Lectr.

Richards, H. G. H., M.B., Ch.B.
Birm. Lectr.

Black, T., M.B., Ch.B. Edin. Lectr.

Hart-Mercer, J., M.B., Ch.B. Edin
Lectr.

Latner, A. L., M.Sc., M.B., Ch.B.
Liv., D.I.C. (Chem. Path.)

Wardill, W. E. M. (v. Surg., Clin.),
(Surg. Path.) Lectr.

Evers, H. H. (v. Midw.), (Gynæc.
Path.) Lectr.

Pharmacology

Mackay, I. F. S., M.Sc., Ph.D.
Manc. Reader.
Foggan, D. Lectr.

Physiology

Burns, D., M.A. Glas. and Durh.,
D.Sc. Glas. Prof.
Forster, Margaret G., M.A., B.Sc.
Aberd. Lectr.
Falconer, Jacqueline S., B.Sc. St.
And (Biochem) Lectr.
Saunders, J. A., M.Sc., Ph.D.
(Biochem.) Lectr.
Jenkins, G. N., M.Sc. Liv., Ph.D.
Camb. (Histology)
Nuffield Lectr. to Dental
Students.

Needham, A. E., B.A., B.Sc. Ox.
Lectr.

Wright, D. E., B.Sc. Lectr.

Catton, W. T., M.Sc. Sheff. Lectr.

Psychological Medicine

Kennedy, A., M.D., B.S. Lond.,
D.P.M. Prof.

Public Health

Walton, W. S., G.M., M.D., B.S.,
B.Hy., D.P.H. Lectr.

Radiology

Davidson, S. W., M.D., B.S.,
F.R.C.P., F.F.R. Lectr.
Ramage, D., M.D., Ch.B. Manc.,
D.M.R.E. Liv. Clin. Teacher.

Surgery

Bentley, F. H., O.B.E., B.Sc.,
M.D., Ch.B. Manc., F.R.C.S.
Prof.
Mackenzie, I., M.B.E., M.B., Ch.B.,
F.R.C.S.Ed. First Asst.
Grayson, J., M.Sc., M.B., Ch.B.
Manc. Res. Asst.
Rogers, J. E. Deptl. Asst.
Lecturers

Mason, G. A., M.B., B.S., F.R.C.S.
(Thor. S.).
Rowbotham, G. F., B.Sc. Manc.,
F.R.C.S. (Neur. S.).

Clinical Teachers

Hodgson, N., M.B., M.S.,
F.R.C.S.Ed.
Hindmarsh, T. A., M.B., M.S.,
F.R.C.S.
Gilmour, J., M.B., M.S., F.R.C.S.
Whyte, A. H., D.S.O., T.D., M.B.,
M.S., F.R.C.S.
Hewitson, W. A., M.B., B.S. Lond.,
M.B., M.S., F.R.C.S.
Wardill, W. E. M., M.B., B.S.,
F.R.C.S. (Plas. S.).
Brumwell, J., M.B., B.S., F.R.C.S.
Watts, W. P. T., M.B., M.S.,
F.R.C.S.Ed.
Feggetter, G. Y., M.B., M.S.,
F.R.C.S.
Rose, J. D., M.B., B.S., F.R.C.S.
Jones, J. D. T., M.B., B.S.,
F.R.C.S.

Venereal Diseases

Macfarlane, W. V., M.D., Ch.B.,
D.P.H. Edin. Lectr.

Clinical Teachers

Bolam, R. M. (v. Dermatol.).
Brumwell, Nora E., M.B., B.S.,
B.Hy., D.P.H.
Kirkhouse, E. S., M.D., B.S.

Pick, R., M.D. Vienna.
Woolley, J. B., M.B., Ch.B. Aberd.
Morton, R. S., M.B.E.

Dentistry

Bradlaw, R. V., L.D.S.
Dean and Director of
Dental Studies.

Children's Dentistry

Hallett, G. E. M., L.D.S. Liv.,
H.D.D. Reader.

D. Anæsthetics

Pask, E. A., O.B.E., M.A., M.D.,
Ch.B. Camb., D.A. Lectr.

D. Electrotherapeutics

Chalmers, J., L.D.S. Lectr.

*D. Jurisprudence and Practice
Management*

Bradlaw, R. V. (v. Oral Pathol.)
Lectr.

D. Materna Med. and Therap.

Hopper, F. E., B.D.S. Lectr.

D. Mechanics and Prosthetics

Tregarthen, G. G. T., L.D.S.
Reader
Anderson, J. N., B.D.S. Sheff.
Lectr.

D. Metallurgy

Anderson, J. N. (v. D. Mech and
Prosth.) Lectr.

Operative D. Surgery

Lovel, R. W., L.D.S., D.D.S.
Chicago, H.D.D. Prof.

Oral Anatomy

Tonge, C. H. (v. Anat.) Lectr.

Oral Medicine

Boyes, J., F.R.C.S., L.D.S. Edin.
Prof.

Oral Pathology

Bradlaw, R. V., L.D.S. Prof.
Simpson, H. E., B.D.S. Lectr.

Oral Physiology

Jenkins, G. N. (v. Physiol.)
Nuffield Lectr.

<i>Oral Surgery, Minor</i>		Earl Grey Memorial Lecturer	
Smith, H. A., L.D.S.	Lectr.	1947—Mr. H. S. Goodhart-Rendel, Past. Pres. R.I.B.A.	
<i>Orthodontics</i>		William Henry Charlton Lecturer	
Cooper, E. R., L.D.S. Edin.	Lectr.	1947—Mr. Basil Wright.	
<i>Periodontal Diseases</i>		Riddell Memorial Lecturer	
Hopper, F. E., B.D.S.	Lectr.	1947—Professor A. D. Ritchie, M.A., Prof. of Philosophy, Univ. of Edinburgh.	
<i>Public Dentistry</i>		University Extension	
Robinson, A. E., L.D.S. Edin.	Lectr.	Director of Extra-mural Studies and Jt. Sec., Board of Extra- mural Studies: B. W. Abra- hart, M.Ed.	
<i>Radiology</i>		Staff Tutors: T. Atkinson, B.A. Camb.; D. S. Bland, M.A. Camb.; N. Dees, B.A. Manc.; F. J. E. Hurst, M.A. Ox.	
<i>Venereal Diseases</i>			
MacFarlane, W. V. (v. Ven. Dis, <i>supra</i>)	Lectr.		

GENERAL INFORMATION

The University of Durham College of Medicine was originally founded in 1834 and became associated with the University of Durham in 1852. Armstrong College, Newcastle upon Tyne, was founded in 1871, as a part of the University of Durham. In 1937 the two Colleges were merged to form King's College, Newcastle upon Tyne, in the University of Durham.

LIBRARY, 169,196 vols., 53,482 pamphlets (including the Medical libraries). There are also departmental libraries. Special collections: English Bibles from 1535; Heslop, English dictionaries (277 vols.); Kepier, fifteenth- to eighteenth-century printed books, mostly classics (600 vols.); Merz, philosophical, mathematical and general (3940 vols.); Spence Watson, early English texts (564 vols.); Oriental, with special reference to India (2762 vols. and 2082 pamphlets); Gilchrist, Agricultural (529 vols.); Gertrude Bell, Oriental (1963 vols.).

MUSEUMS. Anat., Hygiene, Mat. Med., Path., Dental, Zool., Geol., Mineral., Chem., Mining, Technological specimens.

LABORATORIES with special facilities for research in Engin. and Hydr., Elect. Eng. and Mining; special branches of Chem., Physics, Geol., Bot. and Agric.; Marine Biol. (Dove Marine Lab., Cullercoats).

The Agric. Dept. manages the College Farm at Nafferton and undertakes the scientific control of Cockle Park, the Northumberland County Experimental Station; it also has the use of other County and Crown estates for teaching, research and demonstration purposes.

ADMISSION. See Appendix I.

DEGREE COURSES, ETC. Complete Courses for degrees in Arts, Architecture, Medicine, Surgery, Hygiene, Dental Surgery, Science, Applied Science, Law, Commerce, Social Studies and Town and Country Planning; for Univ.

Diplomas in Education, Youth Service, Public Health, Psychiatry, Fine Art, Art Teaching, Architecture, Town Planning, Agriculture, Mining, Commerce, Public Administration; for the Univ. Licence in Dental Surgery, the Univ. Certificate in Social Studies, and also for College Certificates in Fine Art, Architecture and Town Planning.

Instruction in Clinical Medicine and Surgery is given in the Royal Victoria Infirmary (700 beds) and other hospitals; in Practical Midwifery and Clinical Gynaecology at the Princess Mary Maternity Hospital; in Clinical Dental Surgery in the Newcastle upon Tyne Dental Hospital. The Pathological Museum provides an exceptional collection of specimens prepared by modern methods. Postgraduate medical and dental teaching is supervised by committees representing the College and associated hospitals. Research facilities are available in the various departments.

The Applied Science courses are in Agriculture, Engineering (Mechanical, Marine, Civil or Electrical), Naval Architecture, Mining, Metallurgy and Fuel Technology.

The Teachers' Training Dept. is available for both Elementary and Secondary School Work.

Under the Tutorial System, each student in faculties other than medicine is assigned on entry to a tutor, who is responsible for advising him on his course and generally looking after his interests. The Dean of Medicine performs similar duties in the Medical School.

UNIVERSITY DIPLOMAS. Fine Art (4 yrs.); Principles of the Teaching of Art (1 yr. after Fine Art Diploma or other approved qualification); Architecture (5 yrs.); Town Planning (1 yr. after Certificate); Mining (3 yrs.); Commerce (2 yrs.); Public Administration (2 yrs.); Public Health (2 yrs.).

COLLEGE CERTIFICATES. Fine Art (4 yrs.); Architecture (5 yrs.); Town Planning (2 yrs.); Youth Service (1 yr.); Education (1 yr. after graduation); Certificate in Social Studies (2 yrs.).

For admission to study for the University Diplomas in Mining, Commerce, Public Administration, or for the Certificate in Fine Art, no regular entrance examn. is required; for the Diploma in Fine Art an entrance examn. accepted for the purpose of matriculation is required.

FEES: Faculties other than Medicine:

Registration (Degree students and some others), £2 p.a.; Students' Societies and University Union, £4 p.a. Tuition for degree courses: B.A., B.Com., or LL.B. (3 yrs.), £30 p.a.; B.Sc. in Pure Science or Agriculture (3 yrs.), £35 p.a.; B.Sc. in Engineering, Naval Architecture, Mining, or Metallurgy (3 yrs.), £40 p.a.; B.Arch. (5 yrs.), 1st, 2nd and 3rd yrs., £30 p.a., 4th and 5th yrs., £22:10s. p.a. Postgraduate study and research, £12 or £18 p.a., according to course taken. Tuition for diploma courses: Education (1 yr. postgraduate), £35; Fine Art (4 yrs.), £16 p.a.; Principles of the Teaching of Art (1 yr. after Fine Art Diploma or other approved qualification), £22; Architecture (5 yrs.), 1st, 2nd and 3rd yrs., £25 p.a., 4th and 5th yrs., £20 p.a.; Town Planning (1 yr. after Certificate), £16; Mining (3 yrs.), £40 p.a.; Commerce (2 yrs.), £10 p.a. (evening students, day students pay by the class); Public Administration (3 yrs.), £3 p.a. per subject (evening students, day students pay by the class); Youth Service (1 yr.), £35. Tuition for certificate courses: Fine Art (4 yrs.), £16 p.a.; Architecture (5 yrs.), £10 p.a.; Town Planning (2 yrs.), £4 or £6 p.a.; Social Studies (2 yrs.), £30 p.a.

For fees for matriculation, examns. and degrees, see University section, *supra*.

FEES: Medical School :

Systematic, practical and clinical instruction : Pre-Medical course £35 ; M.B., B.S., first yr. £35, remaining four yrs. £40 p.a. ; B.D.S. and L.D.S., first and second yrs. £35 p.a., third, fourth and fifth (B.D.S.) yrs. £40 p.a., including pupillage in dental mechanics. Incidental fees varying from £5 : 6s. to £7 : 8s. p.a. are also payable.

For fees for matriculation, exams. and degrees, see University section, *supra*.

SCHOLARSHIPS. Entrance : Open, £60-£95 p.a., some of which are restricted to students of medicine and agriculture. Various scholarships and prizes are awarded during degree and diploma courses.

FELLOWSHIPS, ETC. (Postgraduate). £400 for 1 yr. (Earl Grey Memorial), open to graduates in any Faculty ; £180 every 3rd yr. (Rutherford Morison), for Surgery ; £150 for 1 yr. (Parker Brewis Dental Research Scholarship) ; each £200-£300 for 1 yr. (Sir W. H. Stephenson Studentship), open to a grad. in the Faculty of Arts, (William Black Noble Memorial Studentship), open to a grad. in the Facs. of Com., Arts or Sci., and (Pemberton Studentship), open to a grad. in Sci. ; College Postgraduate Studentships £200 (6) a year, open to grads. of any faculty ; £75 for 1 yr. (Philip Buckle Memorial Scholarship), open to grads. of the Dept. of Agric. (including Agric. Zool.) ; £25 for 1 yr. (Luke Armstrong), for Compar. Pathol. ; £50 for 1 yr. (Hamilton Drummond), for Clin. Surg. ; £15 for 1 yr. (Macpherson Prize), open to grads. in Med. The Johnston Chemical Studentship (£200) and Prize (£5) are open to graduates in science of any British Univ. of not more than 3 yrs.' standing from graduation.

RESEARCH FUNDS. An endowment of £15,000, established in 1923, is administered by a Standing Committee, which allocates the interest of the fund as grants-in-aid of specific investigations by trained workers rather than for training persons in research. There are also available at the Medical School several funds for medical and surgical research—Stephen Scott, Heath, Beaverbrook, William Dodds, J. W. Luccock.

RESIDENCE. Henderson Hall (Warden : Vernon Brown, O.B.E., T.D., M.Sc.) for 79 men, fees £80 p.a. ; Easton Hall (Warden : Alfreda M. Truesdale, B.Sc., Dip.Ed.) particularly for women in training under Ministry of Education's regulations for the Training of Teachers, fees £80 p.a.

UNIVERSITY EXTENSION. Public lectures in the College include the annual Earl Grey Memorial and W. H. Charlton lectures, occasional lectures and short courses, lectures in French (Alliance Française), and popular evening lectures. Short courses in various centres in Agriculture and Forestry. Tutorial classes in various centres (most of the tutors are regular members of college staff).

THE YEAR 1946-47

NEW POSTS. Chairs of Agric. Bot., Agric. Engin., Music and Psychol. Medicine. Readerships in Agric. Chem., Anæsthetics, Anthropol., Chem. Pathol., Children's Dentistry, Child Health, Cytology, Mathematical Analysis, Mining and Surveying. Lectureships in Accountancy, Agric. (2), Anat., Archit. (3), Bacteriol., Chem., Elec. Engin., English, Fine Art (3), French, German, History, Maths., Mech. and Marine Engin. (2), Medicine, Metallurgy, Oral Pathol., Politics, Physiol., Social Economics (2), Spanish, Town and Country Planning (4) and Zool.

EXTRA-MURAL WORK. Tutorial Classes, 33, students 534 ; Univ. Sessional

Classes, 24, students 371; Short Univ. Sessional Classes, 10, students 162; Univ. Extension Lecture Class, 2, students 143; Other Short Courses, 8, students 108; totalling 77 classes and 1318 students.

RESIGNATIONS. Dr. A. I. Darling (Op. Dental Surg.), on appt. to Chair in Univ. of Bristol; Prof. R. Darwin (Fine Art), on appt. to Principalship of Royal Coll. of Art; Dr. D. M. B. de Mesquita (Mod. Hist.), on appt. to Univ. of Oxford; Mr. B. S. Page (Librarian), on appt. to Librarianship of Univ. of Leeds; Prof. L. A. Reid (Philos.), on appt. to Chair in Univ. of London Inst. of Education; Prof. H. L. Riley (Phys. Chem.), on appt. to post with National Coal Board; Dr. D. J. A. Ross (French), on appt. to Readership in Univ. of London; Col. A. Wedgwood (Mining), on appt. to post with National Coal Board; Dr. H. Weil-Malherbe (Bio-Chem.), on appt. to post as Director of Research at Runwell Mental Hosp., Essex; Dr. E. Williams (Elec. Engin.), on appt. to Chair in Univ. College of North Wales.

RETIREMENTS. Prof. J. H. Barclay (Surgery); Miss C. M. Hawthorn (Warden, Easton Hall); Mr. B. Storrow (Naturalist); and Miss S. Wragge (English).

DEATHS. Prof. A. F. Bernard Shaw (Pathol.); Mr. W. H. Miles (Maths.).

STUDENTS. Total: 3135; full-time: 2542; part-time: 593; the total includes 883 women and 156 postgraduates.

DEGREES. *Arts*: B.A., 69; M.A., 15; M.Ed., 3; B.Arch., 7; *Law*: LL.B., 7; *Pure Science*: B.Sc., 59; M.Sc., 2; Ph.D., 3; D.Sc., 1; *Applied Science*: B.Sc., 99; M.Sc., 5; D.Sc., 1; *Medicine including Dentistry*: M.B., B.S., 51; Ph.D., 1; M.D., 7; B.D.S., 13; *Commerce*: B.Com., 18.

DIPLOMAS. Education, 71; Fine Art, 6; Architecture, 8; Town Planning, 1; Public Administration, 2; Agriculture, 4; Youth Service, 8; Foreign Language, 2.

UNIVERSITY OF LEEDS

Founded 1904

VISITOR—H.M. THE KING.

CHANCELLOR—His Grace THE DUKE OF DEVONSHIRE, K G , M.B.E.,
LL.D. Camb. and Leeds, J.P.

PRO-CHANCELLOR—GERALD C. VEALE, LL.D.

VICE-CHANCELLOR—CHARLES R. MORRIS, M A. (from 1.10.48).

PRO-VICE-CHANCELLOR—Prof. W. M. EDWARDS, M C , M.A.

TREASURER—Hon. R. E. BECKETT, LL.D.

REGISTRAR—J. V. LOACH, B.Sc., Ph D. Birm., F.R.I.C.

BURSAR—E. J. BROWN, B.Com.

LIBRARIAN—B. S. PAGE, M.A.

Telephone : Registrar—Leeds 20251.

TEACHING STAFF

Agriculture, v. infra

Anatomy

Durward, A., M.D. N.Z. Prof.

Boyd, G. I., M.D. Edin., F.R.C.S.
Sr. Lectr.

Scothorne, R. J., B.Sc., M.B.,
Ch.B. Lectr.

Coupland, R. E., M.B., Ch.B.

Demr.

Redcliffe, V. H., M.B., Ch.B. Demr.

Wild, W. N., M.B., Ch.B. Demr.

Wood, K. F., M.D. Washington,
M B., Ch.B. Demr.

Hon. Demrs.

Gillies, J. C., M.B., Ch.B., F.R.C.S.
Ed.

Harrison, G., M.B., Ch.B.,
F.R.C.S.

Biochemistry

Happold, F. C., Ph.D., D.Sc. Manc.
Prof.

Chattaway, F. W., Ph.D., M.Sc.
Lond. Lectr.

Kilby, B. A., M.A., Ph.D. Camb.,
F.R.I.C. Lectr.

Dawson, J., M.Sc., M.B., Ch.B.

Lectr.

Dagley, S., M.A., B.Sc. Ox.,
F.R.I.C. (Phys. Chem.) Lectr.

Dawes, E. A., B Sc Asst. Lectr.

Hall, D. A., Ph.D. (R.).

Dolby, Mrs. Doris E., B.Sc. St.
And. Hon. Demr.

Botany

Manton, Irene, B.A., Sc.D., Ph.D.
Camb. Prof.

Scott, Lorna I., M.Sc. Lond.,
F.L.S. Sr. Lectr.

Preston, R. D., D.Sc., Ph.D.
Sr. Lectr.

Brown, R., D.Sc. Lond.
(Plant Biochem.) Sr. Lectr.

Sledge, W. A , Ph.D. Lectr.

Baker, H. G., B.Sc., Ph.D. Lond.
Lectr.

Merton, L. F. H., B.A. Camb.
Asst. Lectr.

Davies, Elizabeth W., B.A. Camb.,
B.Sc. Lond. Demr.

Rickless, Pearl, B.Sc. Manc. Demr.

(R.) = Research Asst.

- Grist, Mrs. Rita, B.Sc. Lond.
Hon. Demr.
- Robinson, Mrs. Edith, B.Sc. Durh.
(R.).
- Nicolai, Marie F. E., D.Phil.
Leiden (R.).
- Chemistry, Inorganic and Physical*, v. also Technology—
Colour Chemistry
- Evans, M. G., D.Sc. Manc., F.R.S.
Prof.
- Cox, E. G., D.Sc. Bristol,
F.Inst.P. Prof.
- Usher, F. L., D.Sc. Lond.
(Colloid C.) Reader.
- Hume, J., B.Sc. Edin.
Sr. Lectr. and Superintendent of Labs
- Smith, G. F., Ph.D. Wales and
Camb. Sr. Lectr.
- Bradley, R. S., M.A. Camb,
F.R.I.C. Sr. Lectr.
- Colvin, J., Ph.D. Liv. Sr. Lectr.
- Clark, C. H. D., D.Sc. Lond.,
D.I.C. Lectr.
- Belton, J. W., D.Sc., Ph.D. Liv.
Lectr.
- Garrick, F. J., M.A. Ox. Lectr.
- Baxendale, J. H., M.Sc. Manc.
Lectr.
- Jeffrey, G. A., B.Sc., Ph.D. Birm.
Lectr.
- Caldin, E. F., B.A., B.Sc. Ox. Lectr.
- Bunn, D., Ph.D. Lectr.
- Pringle, G. E., M.A., Ph.D. Camb.
Lectr.
- Rushbrooke, G. S., B.A., Ph.D.
(Math. Chem.) Lectr.
- George, P., M.A., Ph.D. Camb.
Brotherton Res. Lectr.
- Beard, D. S., B.Sc. Lond.
I.C.I. Res. Fellow.
- Truter, Mrs. E. V., B.Sc. Lond.
Asst. Lectr.
- Whitaker, H., M.Sc. (R.).
- Madarasz, G. W., B.Sc. Tech.
Manc., Ph.D. (R.).
- Nyburg, S. C., B.Sc. Lond. (R.).
- Steinbrecher, M., B.Sc.
Tech. and Res. Asst.
- Chemistry, Organic*
- Challenger, F., D.Sc. Birm., B.Sc.
Lond., Ph.D. Göttingen,
F.R.I.C. Prof.
- Baker, J. W., D.Sc. Lond.,
F.R.I.C.
Sr. Lectr. and Hon. Reader.
- Wightman, W. A., M.A. Ox.,
F.R.I.C. Sr. Lectr.
- Goss, F. R., Ph.D. Lond., F.R.I.C.
Lectr.
- Rothstein, E., D.Sc., Ph.D. Lond.
Lectr.
- Briscoe, P. A., B.Sc. Brist. Lectr.
- Bowden, K., B.Sc., Ph.D. Lond.,
D.I.C., F.R.I.C. Asst. Lectr.
- Simpson, Margaret I., Ph.D.
Asst. Lectr.
- Birtwell, S. I.C.I. Res. Fellow.
- Reich, W. S. I.C.I. Res. Fellow.
- Classics : Greek*
- Edwards, W. M., M.C., M.A. Ox.
Prof.
- Parry, Olwen A., B.A. Leeds and
Camb. Asst. Lectr.
- Classics : Latin*
- Wood, E. J., M.A. Aberd. and
Camb. Prof.
- Bibby, E. E., M.A. Leeds and
Camb. Sr. Lectr.
- Wade, W. V., M.A. Sheff., B.A.
Lond., F.S.A.
Lectr. Romano - Brit.
Archæol.
- Binyon, D. E. F., B.A. Ox.
Lectr.
- Newell, A. N., M.A. Camb. Lectr.
- Huxley, H. H., M.A. Camb. Lectr.
- Martin, R. H., B.A. Leeds, M.A.
Camb. Asst. Lectr.
- Commerce*, v. Economics
- Dentistry*, v. *infra*

Economics

- Brown, A. J., M.A., D.Phil. Ox.
Dean, Fac. of Econ. and
Comm., and Prof
- Richardson, J. H., M.A. Camb.,
Ph.D. Lond. (Indust. Relns.)
Montague Burton Prof.
- McCarmick, A. (Acctcy) Lectr.
Beresford, M. W., M.A. Camb.
Lectr.
- Hare, A. E. C., M.A. Camb., Ph.D.
Lond. Lectr
- Mars, J., M.A. Brist., B.Litt. Ox.,
M.Com. Birm. Lectr
- Johnson, L. G., B.A. Sheff.
(Econ. and Extra-mural) Lectr.
- Johnson, A., B.Sc. Lond.
(Econ. and Extra-mural) Lectr.
- Parkinson, J. R., B.Com. Lectr.
- Speight, H., B.A. Asst. Lectr.
- Hare, Mrs. Annie M., B.A. Manc.
Pt-time Asst.

Education

- Niblett, W. R., B.A. Brist., B.Litt.
Ox. Prof.
- Boulwood, Myrtle E. A., B.A.
Lond. Sr. Lectr.
- Curtis, S. J., Ph.D. Lond.
Sr. Lectr.
- Lectr.
- Smith, C. A., M.B.E., B.A. Lond.
Lectr.
- Mason, F., M.A. Camb. Lectr.
- Bosworth, Eugenie M., M.A. Ox.
Lectr.
- Burns, D. G., B.A. Birm. and Lond.
Lectr.
- Whitehead, Mrs. Ann, M.A.
Speech Therapist.
- Meredith, G. P., M.Sc., M.Ed.
(Educl. Psychol.) Lectr.
- Phillips, Dorothy J., B.Sc. Lond.
Asst. Lectr.
- 4 Pt-time Assts.

*Engineering, v. Technology**English Lang. and Lit.*

- Dobrée, Bonamy, O.B.E., M.A.
Camb.
Head of Dept., (Lit.) Prof.

- Orton, Harold, B.Litt., M.A. Ox.
(Lang.) Dean, Fac. of
Arts, Prof.
- Childe, W. R., M.A. Ox. Sr. Lectr.
- Knight, G. Wilson, M.A. Ox.
(Lit.) Reader.
- Abercrombie, D., B.A.
(Phonet.) Lectr.
- Jefferson, D. W., B.A., B.Litt.
Ox. Lectr.
- Doyle-Davidson, W. A. G., B.A.
Lond. Lectr.
- Muir, K., B.A. Ox. Lectr.
- Kettle, A. C., M.A., Ph.D. Camb
Lectr.
- Cawley, A. C., M.A. Lond.
Lectr.
- Turville-Petre, E. O. G.
(Mod. Icelandic) Hon. Lectr.
- Taylor, A. R., M.A. Manc.
Asst. Lectr.
- Fisch, H., B.A. Sheff. Asst. Lectr.

French Lang. and Lit.

- Arnold, Ivor D. O., M.A. Wales,
D. de l'U. Strasb. Prof.
- Gunnell, Doris, M.A., D. de l'U.
Paris Sr. Lectr.
- Inebnit, J. P., L. ès L. Neuchâtel
Sr. Lectr.
- Benn, T. V., B.A., Ph.D. Lectr.
- Hainsworth, G., M.A., D. de l'U.
Paris Lectr.
- Cameron, Kathleen, M.A. Ox.
Asst. Lectr.
- Turon, M. M. J., L. ès L. Toulouse
Asst.
- Crouzet, Madeleine Asst.
- Halliday, Mrs. Winifred J., B.A.
Pt-time Asst
- Collins, Mrs. Jean W., M.A. Liv.,
D. de l'Univ. Paris
Pt-time Asst.

Geography

- Williamson, A. V., M.A. Liv. Prof.
- Clark, K. G. T., B.A. Sr. Lectr.
- Davies, A., M.Sc. Wales
Sub-Dean, Facs. of Arts,
Econ. and Com. and
Law Lectr.

- Fowler, F. J., B.A., Ph.D.
Asst. Lectr.
- Priestley, Ann, B.A. Camb.
Asst. Lectr.
- Geology*
- Kennedy, W. Q., D.Sc. Glas.
Prof.
- Versey, H. C., D.Sc., F.G.S.
Sub-Dean, Facs of Sci
and Tech Sr Lectr
- Hemingway, J. E., Ph.D. Lectr.
- Rayner, Dorothy H., B.A., Ph.D.
Camb. Lectr.
- Turner, J. S., M.Sc. Lond.
(Palæon.) Lectr.
- Neumann, H., Dr.philos. Oslo
(Mineral. and Geochem.) Lectr.
- Kerr, Mrs. Margaret H., B.Sc.
Glas. (R) and Demr.
- German Lang. and Lit.*
- Gillies, A., M.A. Sheff., Dr.Phil.
Göttingen Prof.
- Caldwell, M. Constance, B.A.
Lectr.
- Chambers, W. W., M.B.E., M.A.
Glas., Ph.D. Munich, L. ès L.
Paris and Lille Lectr.
- Williams, W. D., B.A. Ox.
Asst. Lectr.
- Minskiers, Irene, B.A. Lond.
Asst. Lectr.
- Hebrew*
- Rawidowicz, S., Ph.D. Berlin
Montague Burton Lectr.
in Med. and Mod.
Hebrew and Head of
Dept.
- Bowman, Rev. J., B.D. Glas.,
D.Phil. Ox. (and O.T. Studies)
Lectr.
- Histology, v. Anatomy*
- History*
- Chapman, G. P., O.B.E., M.C.,
M.A. Ox., B.Sc. Lond.
(Mod. H.) Head of Dept.,
Prof.
- Le Patourel, J., M.A., D.Phil. Ox.
(Med. H.) Prof
- Dainton, A. H., M.A. Ox.
Sr. Lectr.
- Richardson, G. W., M.A. Lond.
(Anc. H.) Sr. Lectr.
- Collyer, C., B.A. Ox Lectr.
- Ullman, W., J.U.D., Innsbruck
Lectr.
- Hendy, P. (H. of Painting)
Hon. Lectr.
- Priestley, Margaret, M.A. Camb.
- History of Science*
- Gregory, J. C., B.Sc. Lond.,
F.R.I.C. Hon. Lectr.
- Italian Lang. and Lit.*
- Meiklejohn, M. F. M., B.A. Ox.
Head of Dept, Lectr
- Law*
- Hughes, J. D. I., M.A., B.C.L. Ox.
Dean, Fac. of Law, Prof.
- Haggen, G. L., M.A., B.C.L. Ox.
Reader.
- Davies, L. J., B.A., LL.B. Camb.,
LL.B. Wales Lectr.
- Hornsey, G., LL.B.
(Comm Law) Lectr.
- Lectrs. (Pt.-time)
- Archibald, M., LL.B.
- Bradley, D. W., LL.B.
- Price, P. S., B.A. Ox.
- Thackray, H. E., M.A. Camb.
- Mathematics*
- Ruse, H. S., M.A. Ox., D.Sc. Edin.
(Pure Maths.) Head of
Dept., Prof.
- Cowling, T. G., M.A., D.Phil. Ox,
F.R.S. (from 1948)
(Appd. Maths.) Prof.
- Ursell, H. D., M.A. Camb.
(Math. Analysis) Readrs.
- Welch, B. L., B.A. Ox., Ph.D.
Lond. (Statistics) Reader.
- Gilham, C. W., M.A. Camb., B.Sc.
Lond. Sr. Lectr.

Slater, N. B., M.A. Edin. and
Camb., Ph.D. Camb.

(Appld. M.) Lectr.

Price, H. L., M.A. Camb., M.Sc.,
Ph D. (Appld. M.) Lectr.

Barratt, W., B.A. Ox. Asst. Lectr.

Medicine and Surgery, v. *infra*

Metallurgy, v. Technology

Mining, v. Technology

Music

Allam, E. W., M.A. Camb., D.Mus.
Lond.

Head of Dept, Sr. Lectr.

Mumby, F. S., B.A. Asst. Lectr.

Pharmacology

Bain, W. A., Ph.D., B.Sc. Edin.

Prof.

Dews, P. B., M.B., Ch.B. Lectr

Hey, P., M.Sc., Ph.C.

(Pharmacol. Chem.) Lectr.

Dare, J. G. (Pharmacy) Lectr.

Nelson, G. A., F.L.S.

(Pharmacognosy) Lectr

Philosophy

Harvey, J. W., M.A. Ox. Prof.

MacIver, A. M., M.A. Ox. Lectr.

Cameron, J. M., B.A. Ox.

(Phil. and Extra-mural
Studies) Lectr.

Curtis, S. J., Ph.D. Lond.

Hon. Lectr.

Physics

Whiddington, R., C.B.E., M.A.

Camb., D.Sc. Lond., F.R.S.

Cavendish Prof.

Stoner, E. C., Sc.D. Camb., F.R.S.

(Theoretical Physics) Prof.

Brindley, G. W., M.Sc. Manc.,

Ph.D. (X-ray Phys.) Reader.

Long, F. A., B.Sc. Lond. Sr. Lectr.

Ewles, J., M.A. Camb. Sr. Lectr.

McDougall, J., M.A., Ph.D. Camb.

Lectr.

Curry, C., B.Sc., Ph.D. Durh.

Lectr.

Hoare, F. E., M.Sc., Ph.D. Lond

Lectr.

Tebble, R. S., B.Sc. Durh.

Asst. Lectr.

Mayne, K., B.Sc. Belf. Asst. Lectr.

Robinson, K., B.Sc.

Temp. Asst. Lectr.

Wohlfarth, E. P., B.Sc. (R).

Physiology

Hemingway, A., M.Sc., M.B.,

Ch.B. Prof.

Noltie, H. R., M.A., B.Sc. Aberd.

Sr. Lectr.

..... (Physiol. and Hyg.)

Pt.-time Lectr.

Lecturers

Winfield, G., M.A. Camb.

Neil, E., M.D.

Allen, W. J., M.D., B.Ch., B.A.O.

Belf.

Kenney, R. A., Ph.D. Birm.

Brewin, E. G., M.B., Ch.B.

Demr.

Redwood, C. R. M.

Demr.

Miller, D. H., M.B., Ch.B. Demr.

Pyrah, L. N., M.Sc., M.B., Ch.M.,

F.R.C.S. Hon. Demr.

Russian Lang. and Lit.

..... Prof.

Shaftlin, R., Fil.Lic. Uppsala

Head of Dept, Lectr.

Minskera, Mrs. Harriet

Temp. Asst.

Social Studies

Shimmin, A. N., M.A. Manc.

(Soc. Sci.) Prof.

Cohen, J., M.A., Ph.D. Lond.

(Soc. Psychol.) Lectr.

Vaughan, E. A., B.Com. Durh.

(Soc. Studies) Lectr.

Hanson, A. H., M.A. Ox.

(Soc. Studies and Extra-
mural) Lectr.

(R.)—Research Asst.

Brown, Ida E., M.A. Sheff.
(Pract. Soc. Work) Tutor.
Cox, Thelma B., M.A. Camb.
(Pract Soc. Work) Asst Tutor.

Spanish Lang. and Lit.

..... Prof.
Brown, R F., M A., Ph.D Liv.
Hd. of Dept., Lectr.
de Irizar, Agustín, M A Lectr.
Wilson, Winifred M. D., B.A.
Camb. Asst. Lectr.
Hall, H B, B A. Liv. Asst. Lectr
Brown, Mrs R. F.
Temp. Pt.-time Asst.

Technology, v. infra

Theology

Browne, Rev. L. E., M.A., D D.
Camb., M.A. Manc.
(Theol.) Prof.
Bowman, Rev. J., B.D. Glas.,
D.Phil Ox
(O. T. Studies and
Hebrew) Lectr.
Black, Rev. M., B.D., D.Litt.
Glas., Ph.D. Bonn
(New Testament) Lectr
Easson, Rev. D. E., B.D, Ph.D
St. And.
(Church History and
Doctrine) Lectr
Number of Recognized Teachers
in local Theological Colleges.

Zoology, v. also Agric.

Spaul, E. A., D.Sc., Ph.D. Lond.
Dean of Fac. of Science, Prof
Lloyd, Ll., D.Sc. (Entom. and
Protozool.) Reader.
Henson, H., D.Sc., Ph.D. Birm.
Lectr.
Kerr, T., M.A. Glas. Lectr.
Broadhead, E., M.A., B.Sc., D.Phil.
Ox. Lectr.
King, Mrs. W. O. Redman, B.Sc.
Hon. Lectr.

Stanley, Muriel J., B.Sc. Liv
Asst. Lectr.
Stopford, Sheila C. D., B.Sc. Liv.
Demr.
Baker, Mrs. Irene, B.Sc. Wales
(R.).

Agriculture

Comber, N. M., D.Sc. Lond.,
F.R.I.C. (Agric. Chem.)
Head of Dept. and Dean
of Fac. of Tech., Prof.
McGregor, J., B.Sc. Glas. Prof.
..... Clive Behrens Lectr.
Moore, H. I., M.Sc., Ph D., Dip.
Agric.Sc. Camb.
(Crop. Husb.) Sr. Lectr.
and Hon. Reader
Boaz, T. G., M B.E., M.A., Dip.
Agric. Camb. Sr Lectr.
..... Lectr. and Farm Director.
..... (Dairy Husb.) Lectr.
Mann, G. W.
(Crop Husb. and Farm
Machinery) Temp. Asst.
Lectr.

Agric Bacteriology

Wolf, J, M.Sc. Reading
Sr. Lectr.
Barker, A. N., M.Sc, Ph.D.
Lectr.

Agric. Botany

Burr, S., M.Sc. Sr. Lectr.
Jones, A. Powell, M Sc. Wales
Lectr.
Turner, Dorothy M., M.Sc, Dip.
in Hort. Reading Lectr.

Agric. Chemistry

Willcox, J. S, B Sc. Lond.
Sr. Lectr.
Townsend, W. N., B.Sc. Lectr.
Druce, E., B.Sc.Tech Manc
Demr.
Crawford, D. V, B.A, B.Sc. Ox.
(R.).

Agric. Economics

Long, W. H., M.A. Ox.
 Provincial Agric. Economist.
 Asst. Lectr
 Jeffrey, A. G., B.Com.
 Sr. Tech. Asst.

Tech. Assts.

Dawson, E., B.Sc.
 Firth, A. L., B.Sc. Durh.
 Sykes, J. D.

Agricultural Zoology

Johnson, L. R., M.Sc. Sr. Lectr.
 Lectr.
 Gibson, N. H. E., B.Sc. Lond.,
 Ph.D. Asst. Lectr.

Veterinary Hygiene

Shanks, P. L., B.Sc. Aberd.
 Pt.-time Lectr.

Medicine

(for subjects of first 2 yrs.—Anat.,
 etc., v. *supra*)

Anæsthetics

Harbord, R. P., M.D. Liv., D.A.
 Reader.
 Harrison, Gwendolen, M.B., Ch.B.,
 D.A. (C.).
 Lawrence, R. C., M.B., Ch.B.,
 D.A. (C.).
 Hall, Mrs. Jean L., M.B., B.S.
 Lond., D.A. (C.).

*Bacteriology, v. Pathol.**Cancer, v. Pathol**Forensic Med.*

Polson, C. J., M.D., Ch.B. Birm.,
 F.R.C.P. Prof.
 Price, D. E., M.B., B.S. Lond.
 Lectr.
 (Toxicol.) Pt.-time Lectr.
 Marshall, T. S.
 (Forensic Serology) Hon.
 Demr.

Infectious Diseases

Benn, E. C., M.B., Ch.B., D.P.H.
 Liv. Lectr.
 Woodcock, Hester E. de C., B.A.,
 M.B., Ch.B., D.P.H.
 Temp. Lectr

Medical Ethics

Macdonald, W. S., M.C., M.B.,
 Ch.B.Ed., D.P.H. Lectr.

Medical Hydrology

..... Hon. Lectr.

Medicine and Clin. Med.

Tunbridge, R. E., O.B.E., M.D.,
 Ch.B., M.Sc., F.R.C.P.
 Prof. (C.).
 Burrow, J. le F. C., M.D. Edin.,
 Ch.B., F.R.C.P.
 (Clin. Med.) Prof. (C.).
 Hartfall, S. J., B.Sc., M.D.,
 F.R.C.P. (Therap. and Appd.
 Pharm.) Prof. (C.).
 Craig, W. S., M.D., F.R.C.P. Ed.,
 B.Sc. Glas.
 (Pædiatrics and Child
 Health) Prof. (C.)
 (Pædiatrics) Lectr. (C.).
 Riley, I. D., B.Sc., M.D., D.C.H.
 (Pædiatrics) Tutor and
 Registrar.
 Pickup, J. D., M.D., D.C.H.
 (Pædiatrics) Tutor and
 Registrar.
 Leese, A., M.A., Ph.D., M.B., B.Ch.
 Camb. Reader (Med.).
 Ingram, J. T., M.D. Lond., F.R.C.P.
 (Skin Dis.) Lectr. and
 Clin. Sub-Dean (C.).
 Hellier, F. F., O.B.E., M.A. Camb.,
 M.D. Lond., F.R.C.P.
 (Skin Dis.) Lectr. (C.).
 Ridehalgh, F., M.A., M.B., B.Chir.
 Camb. (Tuberculosis) Lectr.
 (Dietetics and Metab.
 Med.) Lectr.

(C.) = Clinical Lectr.

- Tattersall, R. N., O.B.E., M.D.
 Lond. Lectr.
 Asst. Lectr.
 Hirst, J., M.D.
 (Therap.) Asst. Lectr.
 Moll, H. H., M.D. Rome, M.B.,
 Ch.B., F.R.C.P. Lectr. (C).
 Garland, H. G., M.D., F.R.C.P.
 Lectr. (C).
 Taverner, D., M.B.E., M.D.
 Med. Tutor.
 Macpherson, I., M.D. Lectr. (C)
 Med. Tutor
 Hall, D. A., Ph.D.
 (Med. Biochem.) Asst. Lectr.
 Towers, J. R. H., M.A., M.D.
 Camb. Hon. Demr. (C).
 Anning, S. T., B.A., M.D. Camb.
 (Dermatology) Tutor and
 Registrar.

Obstetrics and Gynaecology

- Claye, A. M., M.D., F.R.C.S.,
 F.R.C.O.G.
 (Obst. & Gyn.) Prof. (C).
 Currie, D. W., M.D., Ch.M.,
 F.R.C.S., F.R.C.O.G.
 (Obst.) Lectr. (C).
 Jeaffreson, B. L., M.D. Lond.,
 F.R.C.S. (Gyn) Lectr. (C)
 Lawrence, R. F., M.D.
 (Obst. & Gyn.) Tutor.
 Erskine, J. P., B.Sc., M.B., Ch.B.
 Glas. (Obst. & Gyn.) Tutor
 Agar, H., B.Sc., M.B., Ch.B., M.B.,
 B.S. Lond., F.R.C.S. (C).
 McIntosh, W., M.B., Ch.B. Glas.
 (C).

Ophthalmology

- Foster, J., M.A., M.B., B.Chir.
 Camb., F.R.C.S. Lectr. (C).
 Black, G. W., M.B., B.S. Lond.,
 F.R.C.S. Lectr. (C).

Otology

- Seed, G. S., M.B., Ch.B., F.R.C.S.,
 D.L.O. Lectr. (C).

- Boyle, T. McM., M.B., Ch.B.,
 F.R.C.S., D.L.O.
 (Otol and Laryngol.)
 Lectr. (C).

Pathology and Bacteriology, including Cancer Research

- Stewart, M. J., LL.D., M.B., Ch.B.
 Glas., F.R.C.P., F.R.F.P.S.
 (Path.) Hd. of Dept,
 Dean of Fac. of Med.,
 Prof. (C).
 McLeod, J. W., O.B.E., M.B.,
 Ch.B. Glas., F.R.S.
 (Bact.) Brotherton Prof.
 Passey, R. D., M.C., M.D., B.S.,
 D.P.H. Lond.
 (Exper. Path.) Dir. Can-
 cer Research, Prof.
 Fowweather, F. S., M.Sc., M.D.,
 D.P.H. Liv., F.R.I.C.
 (Chem. P.) Prof.
 Orr, J. W., B.Sc., M.D., B.A.O.,
 D.P.H. Belf.
 (Exper. Path.) Reader and
 Asst. Dir. Cancer Re-
 search.
 Gordon, J., M.D., D.P.H. (Cln.
 Bact.) Reader.
 Johnstone, K. I., B.Sc., Ph.D.,
 M.B., Ch.B. (Public Health
 Bact.) Reader.
 Collins, D. H., O.B.E., M.D. Liv.
 (Cln. Path.) Reader.
 Carmichael, R., M.B., Ch.B. Edin.
 (Path.) Sr. Lectr.
 (Path) Sr. Lectr.
 (P. of Indust. Dis.)
 Zinnemann, K. S., M.D. Frankfort
 (Bact.) Lectr.
 Dolby, D. E., Ph.D. Birm. (Bact.)
 Lectr.
 Wright, C. J. E., M.D. (Path)
 Lectr.
 Stickland, L. H., M.A., Ph.D.
 Camb. (Exper. Biochem.)
 Lectr.

Anderson, W. N., Ph.D. Belf.
(Clin Path.) Lectr.
Bonser, Mrs. Georgiana M., M.D.
Manc. (Exp Path.) Lectr.

Cancer Research Fellows

Armstrong, Elizabeth C., M.B.,
Ch.B.
Flaks, J, M D.
Hargrave, K. R., B Sc.
Dmochowski, L., M.D. Warsaw
(Cancer) Milligan R. Asst.

Demonstrators

Benstead, J. G., B.A. Camb.,
M B., Ch B. (Bact.).
Holman, R. A, M.B, Ch.B. (Bact.).
Williamson, G M., M B., Ch.B.
(Bact.)
Czekalowski, J., M.D. Lwow
(Bact.).
Sutherland, T. W., M B., Ch.B.
(Path.).
Howarth, A. T., B Sc. Manc.
(Chem Path).
Godsmark, Bernice, B.Sc. Lond.
(Chem. Path.).
Wheatley, Bertha, M.B., Ch.B.
(Bact.) (Pt.-time).
Lissimore, N., M.B., Ch.B. (Path.)
Hon. Demr.
Armitage, G, M.C, M D, Ch M,
F.R.C.S. (Surg. Path)
Hon Demr
Garland, H G, M D (Neuro-
Path.) Hon. Demr
MacPherson, I, M.D (Med. Path)
Hon. Demr.
Nicholson, D. E., Ph.D. Lond
(Bact) I.C.I. Res. Fellow.

Psychiatry

..... Nuffield Prof.
Orton, R., M.D., Ch.B., D.P.M.
Lond. Sr. Lectr.
..... (Mental Dis.) Lectr.
Martin, D. R., B.A. Syd.
Clin. Psychologist.

Guntrip, Rev. H J. S., B.A, B D.
Lond. Psychotherapist.
Rosenbusch, H., M.D. Munich
Psychotherapist.
Castle, Mrs. Irene M.
Sr. Psych. Social Worker.
Paul, Evelyn M., B.A.
Psych. Social Worker.

Public Health, v. also Path.

Davies, I. G., M.D., B.S. Lond.,
D.P.H. Prof.
Dixon, C W., M D, B.S. Lond.,
D P.H Chief Asst., Lectr.
..... (Hosp. Admin.) Lectr.
Warin, J. F., M.D, D.P.H.
Pt.-time Lectr.

Radiology and Radiotherapy

Illingworth, G. H, M.A. Ox, M.D.
(Diagnostic Radiology)
Acting Lectr.
Lees, J. M, M.A., B.M., B.Ch Ox,
D M.R.
(Radiotherapy) Lectr.
Digges la Touche, A. A., M.A,
M B., B Ch. Camb., F.R.C.S.,
D M R
(Radiotherapy) Lectr.
Nuttall, J. R., M.D. Manc.,
D M.R., F F.R.
(Radiotherapy) Lectr.
Spiers, F. W., B Sc., Ph.D. Birm.
(Med. Physics) Lectr.

Rheumatism Research

Myers, G. N., M.D., B.S, M Sc.
Durh., Ph D. Camb., F.R.C.P.
Director.
Petty, H., M B., Ch.B., F.R.C.S.
(Surg. of Rheumatism)
Fellow
Ross, D. N., M.D, Ch B. Glas.,
F.R.F.P.S. Fellow.

Surgery

Chamberlain, D., Ch.M., F.R.C.S.
Prof. (C.).

Symons, H. W., M.B., Ch.B.,
F.R.C.S. Prof. (C.).

Broomhead, R., M.B., Ch.B.,
F.R.C.S. (Orthop. S.)
Lectr. (C.).

France, W. G., M.B., Ch.B.,
F.R.C.S. (Orthop. S.) Tutor.

Hall, R. A., M.B., Ch.B., F.R.C.S.
Surg. Tutor.

Raper, F. P., M.B., Ch.B., F.R.C.S.
Surg. Tutor.

Pyrah, L. N., M.Sc., Ch.M.,
F.R.C.S. (C.).

Moir, P. J., M.C., M.B., Ch.B.
Glas., F.R.C.S. (C.).

Armitage, G., M.C., M.D., Ch.M.,
F.R.C.S. (C.).

Latchmore, A. J. C., M.B.E., M.S.
Lond., F.R.C.S. (C.).

Shucksmith, H. S., M.B., Ch.B.,
F.R.C.S. (C.).

Allison, P. R., B.Sc., M.B., Ch.M.,
F.R.C.S. (Thoracic) (C.).

Oldfield, M. W. C., M.B.E., M.A.,
B.M., M.Ch. Ox., F.R.C.S. (C.).

Pain, A. B., Ch.M., F.R.C.S.
(Orthop.) (C.).

Clark, J. M. P., M.B.E., M.B.,
Ch.B., F.R.C.S. (C.).

Henderson, W. R., M.B., Ch.B.
Edin., F.R.C.S. (Neurol.)

Surg.) (C.).

Vaccination

Shirras, A. F., M.B., Ch.B. Glas.
Instr.

Venereal Diseases

Lees, R., M.D. Edin., F.R.C.P.Ed.
(C.).

Dentistry

Dental Anaesthetists

Harrison, Gwendolen, M.B., Ch.B.
(Hon.).

..... (Hon.).

Dental Anatomy and Physiology

Sykes, J. G., B.Ch.D. Lectr. (C.).

Dental Histology

Ramsden, D. C., L.D.S.
Hon. Demr. (C.).

Dental Materials—Properties of

Hume, J., B.Sc. Edin. Lectr.

Preece, A., M.Sc. Wales Lectr.

Roberts, Prof. A. L., Ph.D. Lectr.

Dental Mechanics

Stephens, H. D., L.D.S.
Lectr. (C.).

Dental Path. and Bact.

..... Lectr.

Dental Radiology

..... Lectr.

Dental Surgery

Read, T. T., F.R.F.P.S. Glas.,
F.D.S. Prof. & Warden (C.).

Hollings, M. R., B.Ch.D.
Sr. Lectr.

Cocker, J. P., L.D.S. Lectr. (C.).

Crawford, J. K., L.D.S. (C.).

Brenan, S. H., L.D.S. (C.).

Ross, R. N., B.Ch.D. (C.).

Johnson, H. G. L., L.D.S. (C.).

Woodcock, S. R., L.D.S. Leeds,
H.D.D. Edin. (C.).

Cork, D. J., L.D.S. (C.).

Southam, F. L., L.D.S.
Sr. House Surgeon.

..... Tutor (C.).

..... Tutor (C.).

..... Tutor (C.).

4 House Surgeons, 2 Asst. House
Surgeons.

Dental Surgery, Clinical

Carr, Mrs. Kathleen M., B.Sc.,
B.Ch.D. Lectr.

Cross, E. S., M.A. Camb., B.Ch.D.
Lectr.

Oral Biology

Rogers, H. J., B.Sc., Ph.D. Lond.
Nuffield Research Fellow.

Orthodontia

Wilkinson, G. L., L.D.S. Lectr. (C.).

- Shaw, H., L.D.S. Lectr.
 Wood, T. Jason, B.Ch.D., L.D.S. (Chem. Eng.) Asst Lectr.
 Hon. Demr. Dent, F. J., Ph.D. Hon Lectr.

Prosthetic Dentistry

- Woodhead, C., L.D.S. Lectr.
 Research Chemists
 Wood, J. W., M.Sc Tech Manc.
 (and Hon. Lectr.).

Technology

v. also Agriculture

Biomolecular Structure

- Astbury, W. T., M.A., Sc.D. Camb.,
 D Sc. Strasburg, F Inst.P.,
 F R.S. Prof.
 MacArthur, J., M.A., Ph.D. Glas.
 Res. Fellow.
 Rudall, K. M., M.Sc. N.Z., Ph.D.
 Res. Fellow
 Reed, R., B.Sc. Manc. Res. Fellow.
 Research Assistants
 Astbury, Maureen M., B.A. Ox.
 Beighton, E., B.Sc.
 Spark, L. C., B.Sc.

*Coal Gas and Fuel Industries
with Metallurgy*

- Roberts, A. L., Ph.D.
 Livesey Prof.
 Preece, A., M.Sc. Wales
 (Met.) Reader.
 Hodsman, H. J., M.B.E., M.Sc.,
 F.R.I.C. (Gas Chem.)
 Sr. Lectr.
 Hudson, D. R., B.Sc. Wales and
 Lond., Ph.D. Edin.
 (Met.) Lectr.
 Johnston, D., M.Sc. Durh.
 (Met.) Lectr.
 Forsyth, J. S., B.Sc. Glas., Ph.D.
 (Chem. Engin.) Brother-
 ton Lectr
 (Fuel Tech.) Lectr.
 Sinkinson, Eric, B.Sc. Sheff.,
 D.I.C. (Fuel Tech.) Lectr.
 Irvine, K. J., B.Sc.
 (Met.) Asst Lectr.
 Carruthers, T. G., B.Sc.
 (Ceramics and Refract.
 Mats.) Asst. Lectr.
- Franklin, N. L., B.Sc.
 (Chem. Eng.) Asst Lectr.
 Dent, F. J., Ph.D. Hon Lectr.
 Research Chemists
 Wood, J. W., M.Sc Tech Manc.
 (and Hon. Lectr.).
 Garside, J. E., Ph.D.
 Blackburn, W. H., Ph.D.
 Research Assistants
 Ashley, L. F., B.Sc.
 Evans, Edith, B.Sc.
 Wilson, S., B.Sc. Lond.
 Buckley, J. W. A., M.Sc.
 Catchpole, J. R., B.Sc.
 Barker, L., Ph.D.
 Guy, W., B.Sc.
 Kilham, J. K., Ph.D.
 Culshaw, G. W., B.Sc. Liv.
 Wood, F. C., M.Sc.
 Plummer, M., B.Sc. (Temp.).
 Kruger, Hansi, M.Sc. (Temp.).
 Stott, J. B., B.Sc. (Temp.).
 Towler, J. H., B.Sc. (Temp.).
 Stubbs, J. J., B.Sc Tech. Manc
 (Temp.).
- Blue, A., B.Sc. Glas.
 (Chem. Engin.) Brother-
 ton Res. Asst.

Colour Chemistry and Dyeing

- Bradley, W., M.Sc., Ph.D. Manc
 Prof.
 Cross, E. J., B.Sc., Ph.D. Lond.
 (Colour Chem.) Sr. Lectr.
 Bird, C. L., M.Sc., F.R.I.C.
 (Dyeing) Lectr.
 Race, E., Ph.D. Durh.
 (Col. Chem. and Dyeing)
 Res. Lectr.
 Peters, A. T., Ph.D. Manc. Lectr.

 (Lakes and Pigments) Lectr.

 (Phys. Chem.) Brother-
 ton Res. Fellow.
 Stevens, C. B., Ph.D.
 (Dyeing) Asst Lectr.
 (Dyeing) (R.).

(R.) = Research Asst.

Denham, W. S., B.Sc. Lond.,
D.Sc. St. And, F.R.I.C.
Hon. Fellow.
..... B.D.A. Res. Fellow.

Engineering, Civil and Mech.

David, W. T., M.A., Sc.D. Camb.,
D.Sc. Wales (Mech.)
Admin Hd. of Engin
Depts, Prof
Caton, E. E., M.Sc. (Mech)
Sr. Lectr.
Leah, A S, Ph D. (Mech)
Sr. Lectr.
Richardson, S. G., M.Sc. (Mech)
Lectr.
Rounthwaite, C., B.Sc. (Mech.)
Lectr.
Appleyard, D., M.Sc. (Mech.)
Lectr.
Evans, R. H., D.Sc Manc, Ph D.
(Civil) Prof
Wilson, G, M.Sc. (Civil) Lectr.
Mackey, S., B.Sc., M.E. N.U.I.
(Civil) Lectr

Engineering, Elec.

Carter, G. W., M.A. Camb. Prof
Stuart, W. S., M.Eng Liv. (Elect
Communs.) Sr. Lectr.
Bridgwood, T. G., Ph.D. Lectr
Mundel, E., Dipl.Ing Hanover,
Dr.Ing. Aachen Lectr.
Leslie, F. M., M.Sc
I.C.I. Res Fellow.

Leather Industries

McCandlish, D., M.Sc Prof.
Atkin, W. R., M.Sc. Sr. Lectr.
Danby, P., B.Sc. Lectr.
Retterrova, Mrs Eva, B.Sc. Manc
(R).
..... Procter Research Fellow.
Procter International Research
Laboratory
McCandlish, Prof. D., M.Sc.
Hon. Director.
Atkin, W. R., M.Sc. (R.).

Mining

Whetton, J. T., D.S.O., O.B.E.,
M.Sc. Prof.
Crossland, J., M.Sc., F.G.S.
Sr. Lectr.
Jenkins, J. D., M.Sc. Wales Lectr
..... Lectr
Smith, H. G., B.Sc. (Mine Survey-
ing) Lectr.
King, H. J., B.Sc. Lond. (Survey-
ing) Lectr.
Myers, J. O., B.Sc. (R.).
Jowett, A., B.Sc. (R.).

Textile Industries

Speakman, J. B., D.Sc. Manc.,
F.R.I.C. Prof.
Astbury, W. T., M.A., Sc.D.
Camb, D.Sc. Strasburg,
F.R.S. (T. Phys)
Hon. Reader.
Chamberlain, N. H., Ph D. (Rayon
Tech.) Sr. Lectr.
..... Lectr.
..... Lectr.
Meggy, A. B., B.Sc. Lond.,
D Phil. Ox. (Phys. Chem.)
Brotherton Res. Lectr.
Whewell, C. S., Ph.D., F.R.I.C.
(Text. Chem) Lectr.
Townend, P. P., Ph D. (Yarn
Manuf) Lectr.
Snowden, D. C. (Weaving Mechan-
ism) Lectr.
Woods, H. J., M.A. Ox., F.Inst.P.
(Text. Physics). Lectr.
Omions, W. J., B.Sc. Wales (T.
Testing) Lectr.
Hannah, Dorothy M., B.A. Camb.
(Text. Engin) Lectr
Davies, E. J., B.Sc. Wales, M.Sc
Hon. Res. Chem. and
Lectr.
Young, D., (Cloth Anal) Demr.
..... B.D.A. Res. Fellow.
Mercer, E. H., B.Sc. Adel.
I.C.I. Res. Fellow.

(R.) = Research Asst.

Intern. Wool Secretariat Fellows

Middlebrook, W. R., F.R.I.C.
 Truter, E. V., Ph.D.
 Sikorski, J., Dipl. Ing. Warsaw
 Peryman, R. V., M.Sc. N.Z.

Research Assts.

Crummett, A., M.Sc.
 Wilson, P. I., Ph.D. Birm.
 Lipson, M., B.Sc. Syd.
 Berczi, C. N.
 Callow, H. J., B.Sc. Lond.
 Lucas, F., B.Sc.
 Peters, L., B.Sc. Lond.
 Smith, R. L., B.Sc.
 Bell, J. W., B.Sc.

Physical Education

Morgan, R. E., B.A. Lond.
 Director.
 Adamson, G. T., B.Sc. Lond.
 Asst.
 Hunter, Dorothy A. Asst.

Extra-mural Studies

Raybould, S. G., B.Sc. Lond.
 Director.
 Lecturer in Department of Social
 Studies and Extra-mural
 Studies: Hanson, A. H., M.A.
 Ox.
 Lecturer in Department of Philo-
 sophy and Extra-mural
 Studies: Cameron, J. M.,
 B.A. Ox.
 Lecturers in Department of Eco-
 nomics and Extra-mural
 Studies: Johnson, L. G.,
 B.A. Sheff.; Johnson, A.,
 B.Sc. Lond.
 Staff Tutors: Baines, H., B.A.;
 Pybus, A. E.; Bellamy,
 C. V., B.Sc.; Johnson, C.,
 B.A.; Baxandall, H., M.A.
 Camb.; Melling, J., M.A.
 Ox.; Shaw, R., B.A. Manc.;
 Harrison, J. F. C., M.A.
 Camb.; Huddleston, J., M.A.;
 Brookman, P. E., B.Com.
 (Organizing Tutor).

AFFILIATED COLLEGES

COLLEGE OF THE RESURRECTION, MIRFIELD (Warden—Rev. Father Hugh Bishop), and RAWDON COLLEGE (Principal—Rev. A. C. Underwood, D.D.).

TECHNICAL COLLEGE, HUDDERSFIELD.

DIOCESAN TRAINING COLLEGE, YORK.

PRINTING DEPARTMENT OF THE LEEDS COLLEGE OF TECHNOLOGY.

GENERAL INFORMATION

The Leeds School of Medicine, founded 1831, and Yorkshire College, established as a College of Science in 1874, were united in 1884. The College formed part of the Victoria Univ. from 1887 to 1904, when a Univ. was established by Royal Charter in the city of Leeds.

LIBRARY. Brotherton Library, 299,869 books and pamphlets. Brotherton Collection, 38,118 books and pamphlets, including 249 incunabula, together with 476 manuscripts, 4105 deeds and 31,190 letters. Medical Library, 23,618 books and pamphlets. Agricultural Library, 26,303 books and pamphlets. Other special collections: (a) 2668 vols. in French on Great Britain, printed before 1801; (b) 386 vols. on events in France in 1870-71; (c) Icelandic and Scandinavian collection of 12,213 vols. and pamphlets; (d) Mitresey Collection of 612 vols. on occultism; (e) All Souls Collection of 2294 vols. on early science and theology; (f) Library of the Leeds Philosophical and Literary Society,

presented in 1936 ; (g) Chaston Chapman Chemistry Library, about 3000 vols. and many thousands of pamphlets ; (h) Chaston Chapman Collection of early alchemical and science books, 1116 vols. ; (i) Blanche Leigh Collection of cookery books, largely of the 17th and 18th centuries, 1300 vols. ; (j) The Holden Theological Library, belonging to the Diocese of Ripon, 8615 books and pamphlets ; (k) The Harold Whitaker Collection of atlases and maps, particularly of English counties, 450 vols.

MUSEUMS : Dyeing, Materia Med., Path., Textile, Zool. LABORATORIES : Agricultural Chemistry, Biochemistry, Biomolecular Structure, Botany, Chem. Engin., Chemistry, Coal Gas and Fuel Tech., Colour Chem. and Dyeing, Engin. (Elec., Civ., Mech.), Geol., Leather Industries (including Procter Internat. Research), Maths., Metallurgy, Mining, Path. and Bacteriology, Cancer, Pharmacy and Pharmacol., Physics, Physiol., Textile, Zool. OBSERVATORY, 18 $\frac{1}{2}$ " reflector telescope. HOSPITALS available for Clinics : Infirmary (673 beds) and several others ; Asylum (2435 inmates).

FACULTIES. Arts (including Theology), Economics and Commerce, Law, Science, Technology [including Agric., Coal Gas and Fuel with Metallurgy, Chem. Engineering, Colour Chemistry and Dyeing, Engineering (Civ., Elec., Mech.), Leather Industries, Mining, Textile Industries], Medicine (including Dentistry and Pharmacy). *Deans* : Prof. H. Orton (Arts), Prof. A. J. Brown (Econ. and Commerce), Prof. J. D. I. Hughes (Law), F. A. Long (Science), Profs. N. M. Comber (Technology), M. J. Stewart (Medicine). *Tutor of Women Students* : Kathleen M. Knights, B.A. Camb.

In connexion with each of the technological departments there is an Advisory Committee, which includes representatives of the industry concerned.

ADMISSION. See Appendix I.

DEGREES. Obtainable after a 3 yrs.' course from matricn. —B.A., B.Mus., B.Sc. (Honours degree usually 4 yrs.), LL.B., B.Com. (which may be taken with an Applied Science as one of the principal subjects), 3 yrs. for degree, or 4 yrs. including Diploma of Printing Dept. of Leeds Tech. Coll. ; M.B., Ch.B., B.Ch.D. 5 $\frac{1}{2}$ to 6 yrs.

General Honours B.Sc. degree and B.A. degree with Honours in General Studies are conferred (v. p. 7).

Mining students receive practical instruction in mines under arrangements made with local owners, but the courses are not intended to supersede the usual apprenticeship.

Hons. students of Mod. Langs. (French, German, Russian, Spanish) normally spend 3rd term of 2nd yr. at some approved foreign Univ.

Supplementary Textile studies may be combined with a B.A. or B.Com. course. Any of the Tech. subjects may be taken in a B.Sc. course. The Law Dept. prepares students for the Bar and Solicitors' examns. as well as for the Univ. degrees.

HIGHER DEGREES. B.D., M.A., LL.M., M.Com., M.D., Ch.M., 1 yr. ; M.Ed., M.Sc., 2 yrs. (for holders of Hons. B.Sc., 1 yr. after the bachelorship). Graduates of approved Univs. (including the chief Univs. of the world ; each case is considered on its merits) may obtain the M.A., Ph.D. (v. p. 15), or M.Sc. by 2 yrs. of research. Graduates of this Univ. may obtain the Litt.D. or D.Sc. 6 yrs. after graduation.

Graduates of other Univs. who have been admitted to degrees of equal or similar rank in Leeds may, in proceeding to higher degrees, count their standing as graduates from the date of original graduation.

DIPLOMAS. Animal Biology, Commerce, Education, Fuel and Metallurgy,

Refractory Materials, Gas Engineering, Geography, Textiles, 1 yr. (sometimes 2) after graduation. Educational Administration, Public Administration, 2 winter sessions. Biblical Studies, Hebrew, Spanish, 2 yrs. part-time. Social Organization and Public Services, 2 yrs. (1 for graduates). Engineering (Civil, Electrical, Gas, Mechanical, Mining), Fuel and Metallurgy, Mining and Metallurgy, Dyeing, Leather, Textile Industries, 3 yrs., reducible under certain conditions to 2. Agriculture, 3 yrs. (2nd and 3rd yrs. 2 winter terms only). Colour Chemistry, 4 yrs. Part-time for apprentices: Gas Engineering, Fuel and Metallurgy, 4 yrs.; Colour Chemistry and Dyeing, 5 yrs. Public Health, 2 yrs. after graduation. Psychological Medicine, 3 yrs. Nursing, involving 4 yrs.' hospital training and 3 mos.' lectures. Dental Surgery, 4 yrs. including 2 in Univ.

. FEES. Matricn., £2. Registration, £2 (£5 for overseas students). Composition fees for tuition (including Union): Arts, £35 a session; Law, £15:1rs.; Science, £43; Technology, £47 (special materials charge in addition of £10 for overseas students in Textile Dept.); Agric. Degree, 1st session, £43, 2nd and 3rd sessions (and 4th if required), £47; Agric. Dipl., 1st session, £32, 2nd and 3rd sessions, £20:13:4. Course for Dipl. in Educn., £40 p.a.; Dipl. in Social Organization, £30 p.a. Medicine: complete course for M.B., including Pre-registration course, hosp. practice and maternity hostel residence, £343. Dentistry (including hosp. practice and pupilage): Dipl., £265; Degree, £285. Research fee, £18 a session. Examns.: Arts, Science, etc., £6; B.Ch.D., £16; graduation fee, £7; Medicine (including graduation), £25; L.D.S., £16; conferment fee, £6.

POSTGRADUATE SCHOLARSHIPS, ETC. A number of open fellowships and scholarships for research in Science, Technology and Med. Also, for graduates of the Univ., Fellowships, Scholarships, or Grants, of varying amount, awarded normally for 2 yrs.; £125 for higher Humanistic study, for graduates of Leeds or Sheffield.

RESIDENCE. Four hostels for men, Devonshire Hall (Warden. Hywel Evans); Lyddon Hall (Warden: C. A. Smith); Woodsley Hall (Warden: Prof. H. S. Ruse) and Church Lane House (Warden:), fees £85 for 32 weeks; three for women, Weetwood Hall (Warden: Mrs. Redman King); Oxley Hall (Warden: Miss Lettice M. Pither); and "Whinfield" (Warden:), fees £71-£74. Sites on the outskirts of the city have been acquired for further hostels for men and women students.

APPOINTMENTS BOARD. Secretary: Vacant.

Number of registered students (1946-47) to whom assistance has been given: 359. Of these, 104 are teachers, 49 are engineers, 55 are technical and scientific workers (chemists, physicists, etc.).

OVERSEAS STUDENTS' COMMITTEE. Secretary, The University.

AN OLD STUDENTS' ASSOCN. was formed in 1923 and now has branches in various parts of the country. The Hon. Secretaries of the Assn. are Miss Lilian M. Sutton and Mr. A. E. Ferguson.

DEPARTMENT OF EXTRA-MURAL STUDIES. Instituted 1946. Lecture courses and Tutorial classes provided, the latter in co-operation with the Workers' Educnl. Asscn. and Local Education Authorities.

PUBLICATIONS. *Calendar* (Sept.), 12s.; Annual Reports of the Univ. and of Tech. Depts.; List of Researches, etc.; *Gryphon*, 3s. annually (students' magazine); *University of Leeds Review* (1st issue, summer 1948), 4s. p.a. or 2s. 6d. per issue; *Union Handbook*; Prospectuses of various Depts.

THE YEAR 1946-47

BENEFACTIONS. \$10,000 from Rockefeller Foundation for Biomolecular research; £1500 from Messrs. Courtaulds Ltd. for Clothworkers' Depts.; £1000 from Messrs. S. Hubbard Ltd. for Textile Dept.; £50 p.a. from Committee of the Retreat, York, for Biochemical research; 1000 gns. from Fails-worth Hats Ltd. for Textile research; the following increases in grants from Local Education Authorities: East Riding County Council, from £1000 to £2000 p.a., Huddersfield County Borough Council, from £500 to £1000 p.a.; Wakefield City Council, from £300 to £500 p.a. Many gifts of books and manuscripts, works of art, museum specimens, chemicals, machinery, equipment and materials. **GIFTS FOR FELLOWSHIPS, SCHOLARSHIPS AND OTHER AWARDS:** £300 from Yorkshire Copper Works in 1946 and in 1947 for scholp. in pure and applied science, preferably Metallurgy; £400 p.a. for 7 yrs. from Viscount Kemsley for Travelling Fellowship; £350 p.a. for 2 yrs. from British Coke Research Assoc. for Research Fellowship; £162 for Whytlaw-Gray Prize in Chemistry; £150 annually from Power-Gas Corporation Ltd. for scholp. in Gas, Chemical, Mechanical or Civil Engineering; increase from £200 to £500 in Cement and Concrete Association's grant for scholps.; £300 from Charles Brotherton Trust for postgraduate scholp. in Inorganic and Physical Chemistry.

NEW BUILDINGS. Acquisition of sites for new hostels and adaptation of houses on the sites for use until permanent buildings are erected, viz.: Church Lane House, Adel; Bardon Grange, Weetwood; Foxhill, Weetwood; Ridgeway House and Whinfield. Rawden Hill, Arthington, bought for residential Extra-mural centre. Work proceeding on Parkinson block; three huts erected for Textile, Chemistry and Engineering Depts.; plans adopted for Metallurgy, Textile and Refectory extensions; work in progress on alterations in property at Robin Hood's Bay to provide increased facilities for research in Marine Biology. Alterations and improvements carried out in various Depts.

NEW DEPARTMENTS AND POSTS. Scheme adopted for Rheumatism Research and Treatment; separate Depts. formed of Pharmacol. and Biochem.; Dept. of Social Studies transferred from Fac. of Economics and Commerce to Fac. of Arts, and Dept. of Biomolecular Structure transferred from Fac. of Technology to Fac. of Science.

New posts included Lectureships in English Lang., English Lit., French, Social Studies, Inorg. and Phys. Chem., Bot., Mech. Engin., Elect. Engin., Metallurgy, Fuel, Textiles (4), Physiol., Pharmacognosy, Biochem., Medicine, Cardiology and Public Health and ten Assistant Lecturers in various subjects.

OTHER DEVELOPMENTS. Co-operation with British Hat and Allied Felt-makers' Association and with Dyers and Cleaners Research Association.

CHANGES IN REGULATIONS. Revised regns. for B.A. in Theological Studies, B.A. in Social Studies; revised regns. for M.D. degree; Diploma in Psychological Medicine and M.A. degree. Portuguese added to one yr. subjects for B.A. degree.

EXTRA-MURAL WORK. Eighty-one Tutorial Classes and 8 Sessional Courses conducted during session, together with 17 One Year and Terminal Courses in parts of North Riding by arrangement with W.E.A. Four courses of Extension Lectures, 7 single lectures and 1 public lecture. Three weeks' Summer School for Tutorial Class students held at Cottingham in association with Univ. Coll., Hull. Two residential courses held at Univ. during Summer Vacation. Institution of posts, the holders of which will share their time between internal and extra-mural work approved: 3 posts of this kind filled during 1946-47.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. Legouis, Prof. Schürmer, Señor Dámaso Alonso, Mr. Edixhoven and Prof. Fritzsche and Dr. Martin Buber.

RETIREMENTS. Prof. Frank Smith (Educn.); Prof. J. Johnstone Jervis (Public Health); Dr. R. Offor (Librarian); Dr. Ll. Wynn Jones (Exper. Psychol.); Mr. Foster Pickles (Textile Testing); Miss Helena McLaren (Warden of Oxley Hall); Mr. H. W. Merrell (Asst. Bursar).

RESIGNATIONS. Dr. Harold Burton (Org. Chem.), on appt. as Prof. of Chem., King's Coll. of Household and Social Science; Dr. McCrie (Sr. Administrative Officer, Sch. of Med.), on appt. as Dean of Fac. of Med., Univ. of Sheffield.

DEATHS. Prof. F. M. Rowe (Colour Chem. and Dyeing); Mr. F. M. H. Holman (Staff Tutor), Mr. J. Manby (Photographer); Emeritus Profs. T. Wardrop Griffith, J. Shaw Bolton, Paul Barbier and William Gough.

HONORARY DEGREES CONFERRED. *LL.D.*—Rt. Hon. Andrew Browne Cunningham, Viscount Cunningham of Hyndhope; Sir William George Sheddin Dobbie; Sir John Alexander Dunnington-Jefferson; Thomas Edmund Harvey; Charles Frederick Ratchffe Brotherton (*in absentia*). *Litt.D.*—Henry Buckley Charlton; Sigurdur Nordal. *D.Sc.*—Michael Polanyi; Croyden Meredith Whittaker. *Ph.D.*—Wilfred Joseph Halliday, Henry Alvin Mahony, William Goodwin Senior.

STUDENTS. Total: 3318; full-time: 2983; part-time: 335; the total includes 796 women and 372 postgraduates.

DEGREES OBTAINED: B.D., 1; B.A., 99; M.A., 9; M.Ed., 2; B.Com., 7; LL.B., 6; B.Sc., 218; M.Sc., 10; Ph.D., 20; M.B., Ch.B., 49; M.D., 23; B.Ch.D., 10.

UNIVERSITY OF LIVERPOOL

Founded 1903

VISITOR—H.M. THE KING.

CHANCELLOR—.....

PRO-CHANCELLORS—Sir RICHARD ARMSTRONG, LL.D. ; V. E. COTTON, C.B.E., T.D., J.P., M.A.

VICE-CHANCELLOR—J. F. MOUNTFORD, M.A. Ox. and Birm., D.Litt. Birm.

PRO-VICE-CHANCELLOR—Prof. Sir JAMES CHADWICK, M.Sc. Manc., Ph D. Camb., Hon. D.Sc. Reading, Hon. Sc.D. Dub., Hon. LL.D. Liv., F.R.S.

TREASURER—Sir JOHN R. HOBHOUSE, M.C., J.P.

CHAIRMAN OF CONVOCATION—BRIAN HEATHCOTE, M.Sc.

REGISTRAR—STANLEY DUMBELL, M.A.

ASSISTANT REGISTRARS—T. W. DOWSON, B.Sc. ; A. I. BOWMAN, M.A. Glas.

LIBRARIAN—K. POVEY, M.A. Camb.

Telephone : Liverpool, Royal 6301.

TEACHING STAFF

- | | |
|---|--|
| <i>Anatomy</i> [Derby Prof. | Blackman, A. M., M.A., D.Litt. |
| Wood, W. H., B.Sc., M.D. Manc. | Ox. (Egyptology) |
| Lecturers | Brunner Prof. |
| Hughes, J. Howell, M.D., Ch.M., | (Methods and Practice of |
| F.R.C.S. (Applied Surg. A.). | A.) Rankin Prof. |
| Baker-Bates, E. T., M.D. (Appl. | Newberry, P. E., M.A. (Egyptian |
| Med. A.). | Art) Reader. |
| Whitaker, P. H., M.D., D.M.R.E. | <i>Architecture</i> , v. also Civ. Design, |
| (Appl. Radiol. A.). | Engin. |
| Jones, Tudor J., Sc.D. Glas., | Budden, L. B., M.A., F.R.I.B.A. |
| M.D. (Embryol.). | Roscoe Prof. |
| Demonstrators | Scott, Sir Giles G., O.M., LL.D., |
| Brearley, R., M.B., Ch.B. | D.C.L., R.A. (Eccl. Archit.) |
| MacRae, K. S. E., M.B., Ch.B. | Reader. |
| Robinson, L., M.B., Ch.B. | Senior Lecturers |
| Warbrick, J. G., M.B., Ch.B. | Cole, E. R. F., B.Arch. |
| <i>Archæology</i> , v. also Palæog. and | Brooke, D., M.A., B.Arch., |
| Associated Institutions | F.R.I.B.A. |
| Droop, J. P., M.A. Camb., F.S.A. | Lecturers |
| (Classical A.) | Velarde, F.X., B.Arch., F.R.I.B.A. |
| C. W. Jones Prof. | Thearle, H., B.Arch., F.R.I.B.A. |

Potter, J. A., B.A.
 Miller, B. A., B.Arch., F.R.I B.A.
 Young, R. R. R., Dipl. Arch.
 Wilkinson, S., B.Arch.
 Phillips, W. J., Dipl. Arch.
 Thomas, D. P., B.Arch.
 Mawson, H., D.Sc.(Eng.) Lond
 (Strength of Materials)
 Spl. Lectr.
 Smith, H. Tyson, F.R.B.S.
 Hon. Instr. in Craftsmanship.

Bacteriology, v. Med.

Biochemistry

Morton, R. A., Ph.D., D.Sc.,
 F.R.I.C. Johnston Prof.
 Williams, R. T., D.Sc. Birm., Ph.D.
 Wales Sr. Lectr.
 Coope, R., B.Sc., M.D. (Clin.
 Chem.) Lectr.
 Goodwin, T. W., M.Sc., F.R.I.C.
 Lectr.
 Collins, Alice W. N., M.Sc. N.Z.
 Res. Asst.
 Adams, A. V., M.A., M.B., B.Ch.
 Asst. Lectr.
 Glover, J., M.Sc. Belf.
 Asst. Lectr.
 Stubbs, A. L., B.Sc., Ph.D. Demr.

Botany

Thompson, J. McLean, M.A., D.Sc.
 Glas., F.L.S. H. Gaskell Prof
 Knight, Margery, D.Sc., F.L.S.
 Lectr.
 Stirling, J., D.Sc. St. And., F.L.S.
 Lectr.
 Mathias, W. T., M.Sc. Wales, F.L.S.
 Lectr.
 Coult, D. A., M.Sc. Lond., F.L.S.
 Lectr.
 Hare, C. L., M.Sc. Lond., Ph.D.
 Aberd. Lectr.
 Horton, W., M.Sc.
 (Plant Path.) Hon. Lectr.
 Burrows, Elsie M., B.Sc. Lond.
 Demr.
 Vallance, K. B., M.Sc. Manc.
 Demr.

Celtic

Richards, M., M.A. Wales (Welsh)
 Hd. of Dept., Lectr.

Chemistry, v. also Biochem.

Robertson, A., M.A. Aberd., B.Sc.,
 Ph.D. Glas.
 (Org. C.) H. Harrison Prof.
 Grant Brunner Prof.
 Hilditch, T. P., D.Sc. Lond., F.R.S.,
 F.R.I.C.
 (Industrial Chem.) Camp-
 bell-Brown Prof.

Griffith, R. O., D.Sc. (Phys.)
 Reader.
 McGookin, A., Ph.D., B.Sc. (Org.)
 Sr. Lectr.
 Hickling, A., M.Sc. Sheff., Ph.D.
 Sheff. (Inorg. and Phys. C.,
 Elect. C.) Sr. Lectr.

Lecturers

Edwards, D. M., M.C., B.Sc.
 (Inorg.).
 Doran, W., M.Sc. (Org.).
 Occleshaw, V. J., M.Sc., F.R.I.C.
 (Inorg. and Phys. C.).
 McDowell, C. A., M.Sc. (Inorg. and
 Phys. C.).
 Douglas, H. W., M.Sc. (Inorg. and
 Phys. C.).
 Holliday, A. K., B.Sc. Leeds, Ph.D.
 Leeds (Inorg. and Phys. C.).
 Whalley, W. B., B.Sc., Ph.D.
 (Org. C.).
 Cartwright, N. J., B.Sc., Ph.D.
 Sheff. (Org. C.).
 (Brotherton Res. Lectr.).
 Meara, M. L., B.Sc., Ph.D. Brist.
 (Indust. C.).

Asst. Lectrs.

Bottomley, G. A., B.Sc., Ph.D.
 Leeds (Inorg. and Phys. C.).
 Riley, J. P., B.Sc., Ph.D. (Inorg.
 and Phys. C.).
 Turton, Lilian M., B.Sc., Ph.D.
 Birm. (Inorg. and Phys. C.).
 Spice, J. E., B.Sc. Ox., M.A. Ox.,
 D.Phil. Ox. (Inorg. and Phys.
 C.).

Beer, R. J. S., D.Phil., M.A. Ox.
(Org.).

Demrs.

Broadbent, P., B.Sc. (Org.).

Smith, F. J., B.Sc., F.R.I.C. (In-
org. and Phys. C.).

Parker, C., B.Sc. (Org.).

Page, G. A., B.Sc. (Org.).

MacKenzie, J. B. D., B.Sc. (Org.)
Research Asst.

Civic Design

Stephenson, G., M.C.P. Mass.,
B.Arch., F.R.I.B.A.

Lever Prof

Eden, W. A., M.A., B.Arch
Lectf.

Special Lectrs

Clarke, J. J., M.A. (Law of Hous-
ing and Town Planning).

Clark, H. F. (Landscape Design).

Daymond, J. R., M.Sc. Wales
(Civic Engin. and Hygiene).

Reynolds, Josephine P., B.Arch.
Temp. Lectr.

Classics : Greek

Campbell, A. Y., M.A. Camb.
Gladstone Prof.

Hudson-Williams, H. Ll., B.A.
Wales and Camb. Lectr.

Bezzant, Rev. Canon J. S., M.A.,
B.D. Ox. (Hellenistic Gk.)
Hon. Lectr.

Classics : Latin

Walbank, F. W., M.A. Camb. Prof.

Bonner, S. F., M.A. Camb. Lectr.

Stevens, P. T., M.A. Ox., Ph.D.
Aberd. Lectr.

Townend, G. B., M.A. Ox.
Asst Lectr.

Commerce

Whale, P. Barrett, M.Com. Birm.,
B.Sc.(Econ.) Lond.

Actg. Hd. of Dept.

McCombe, Barbara B., M.A.,
B.Com. Lectr.

Dentistry, v. infra

Economic Science, v. also Com.

Whale, P. Barrett, M.Com. Birm.,
B.Sc (Econ.) Lond.

Brunner Prof.

Chaddock Prof.

Hyde, F. E., M.A., Ph.D. Lond.
(Ec. Hist.) Lectr.

McCombe, Barbara B., M.A.,
B.Com. Lectr.

Checkland, S. G., M.Com. Birm.
Asst. Lectr.

Lewy, Eleanor, B.Sc.(Econ.) Lond.
(Ec. Hist.) Asst. Lectr.

Corlett, W. J., M.A. Camb. (Ec.
and Soc. Statistics) Lectr.

Jones, L., B.A. Wales Asst. Lectr.

Robertson, W., M.A. St. And.
Asst. Lectr.

Clayton, G., B.A. Camb.
Temp. Lectr.

Education

Porteous, A. J. D., M.A. Edin. and
Ox. Prof.

Tempest, N. R., Ed.M. Harvard,
M.A. Sr. Lectr.

Spence, Margaret E., M.A. Brist.,
Dipl.Ed Ox. Lectr.

Wallace, J. E., Mus.D. Durh.,
F.R.C.O. (Music) Lectr.

Tozer, A. H. D., M.A. Camb.
Lectr.

Brunton, C. E., M.A., M.D., Sc.D.
Dub. (Physiol. and School
Hyg.) Lectr.

Griffiths, J., M.A. Lectr.

Doran, W., M.Sc. Spl. Lectr.

Moore, Mina J., M.A., D. de l'U.
Strasbourg Lectr.

Larwood, H. J. C., M.A. Durh.,
F.R.A.S. Lectr.

Edwards, E., M.A. Tor., B.Sc.
Wales Spl. Lectr.

Illingworth, Sarah, B.Sc.
Spl. Lectr.

Monkhouse, F. J., M.A. Camb.
Spl. Lectr.

Teachers

Martin, Ethel S. (Drawing and
Art).

Cameron, Elizabeth L. (Writing and Illumination).
 Nelson, Mary F., B.A. (Handwork).
 Wigforth, Bertha (Weaving).
 Kelly, Edith M. Tutor and Demr.
 Archer, A. B., M.A. Temp. Lectr.
 Ainsworth, H. (Woodwork) Instr

Egyptian and Coptic

Blackman, A. M., M.A., D.Litt. Ox.
 Lectr.

Engineering, v. infra

English Lang. and Philol.

Potter, S., M.A. Lond., B.Litt. Ox.,
 Ph D. Prague Baines Prof.
 Colledge, E., M.A. Lectr.
 Bazire, Joyce, B.A. Leeds
 Asst. Lectr.

English Lit.

Martin, L. C., B.Litt., M.A. Ox.
 King Alfred Prof.
 McIlwraith, A. K., M.A., D.Phil.
 Ox. A. C. Bradley Lectr.
 Davenport, A., M.A. Lectr.
 Allott, K. C. B., M.A. Durh.,
 B.Litt. Ox. Asst. Lectr.
 Croston, A. K., M.A. Camb.
 Asst. Lectr.
 Bromley, Jean, M.A. Lectr.
 Farris, Miriam, M.A.
 William Noble Fellow.

Entomology and Parasitology

Gordon, R. M., O.B.E., M.D.,
 Sc.D., D.P.H. Dub., D.T.M.
 Dutton and Walter Myers
 Prof.

Esperanto

Collinson, W. E., M.A. Lond.,
 Ph.D. Buchanan Lectr.

Fisheries, v. Oceanography

French

Fletcher, F. T. H., M.A., D.Litt.
 Birm., D. de l'U. Nancy
 J. Barrow Prof.
 Evans, W. Hugo, B.A. Wales,
 D. de l'U. Paris Lectr.
 Knowles, Dorothy, M.A. Leeds,
 D ès L. Paris Lectr.

Cullerne, A. C., M.A. Lectr.
 Rees, G. O., M.A. Wales
 Asst. Lectr.
 Villadier, J., Ag des L. Paris
 Asst. Lectr.

3 French Tutors

Geography, v. also Geol.

Darby, H. C., O.B.E., M.A., Ph D.
 Camb Rankin Prof.
 Smith, W., M.A. Sr. Lectr.
 Mead, W. R., M.Sc (Econ.), Ph.D.
 Lond. Asst. Lectr.
 Monkhouse, F. J., M.A. Camb.
 Asst. Lectr.
 Wilkinson, H. R., B.A.
 Asst. Lectr.
 Gresswell, R. K., M.A. Demr.

Geology

..... Herdman Prof.
 Neaverson, E., D.Sc., F.G.S.
 (Palæont.) Sr. Lectr.
 Harper, J. C., M.Sc. Lond., D.I.C.,
 F.G.S. Asst. Lectr.

German

Collinson, W. E., M.A. Lond.,
 Ph.D. (also Hon. Lectr. in
 Comp. Philol.) Prof.
 Picton, Ænid, B.A. Wales Lectr.
 Wirtz, Erika A., B.A. Glas. and
 Reading Temp. Lectr.
 Wiener, F., M.A. Manc., Dr.Phil.
 Breslau Tutor.

Hebrew and Ancient Semitic Languages

Martin, W. J., M.A. Dub., B.D.
 Princeton Theol. Sem., Ph.D.
 Leipzig Rankin Lectr.

Hispanic Studies : Portuguese and Catalan

Peers, Prof. E. Allison, M.A. Camb.
 and Lond. Hon. Lectr.
 Rebelo, L. de Sousa (Portuguese)
 Lectr.
 Lamb, N. J., M.A. (Portuguese)
 Temp. Lectr.

Hispanic Studies : Spanish

- Peers, E. Allison, M.A. Camb. and
Lond. Gilmour Prof.
Lara, Maria V. de, Lic. en F. y L.
Madrid Lectr.
Lumsden, Audrey, M.A.
Asst. Lectr.
Lora, J. G., B.A. Birm.
Temp. Lectr.

History, Ancient

- Ormerod, H. A., M.C., M.A. Ox.,
F.S.A. Rathbone Prof.

*History, Eccl., v. Affild. Instns.**History, Mediæval*

- Barracrough, G., M.A. Ox., D Phil.
Camb. Prof.
Myers, A. R., M.A. Manc. Lectr.
Liebeschutz, H., B.A. Lond., Ph.D.
Heidel Asst. Lectr.
Oschinsky, Dorothea, Ph.D. Lond.,
D.Phil. Breslau
(Palæog.) Temp. Lectr.
Smith, Jennifer, B.A. Ox.
Asst. Lectr.
France, R. S., F.R.Hist.S. (Theory
and Practice of Archive Ad-
min.) Pt-time Lectr.

History, Modern

- Thomson, M. A., M.A., D.Phil. Ox.
A. Geddes & J. Rankin Prof.
Routledge, F. J., B.Litt. Ox., M.A.
Sr. Lectr.
Fozzard, Irene, B.A. Ox.
Asst. Lectr.
Parkinson, C. N., M.A. Camb.,
Ph.D. Lond. Asst. Lectr.
Rowe, W. J., B.A. Ox.
Asst. Lectr.

Italian

- Faithfull, R. G., B.A. Lond. Lectr.
*Law, v. also Civ. Design and
Engin.*
Blease, W. Lyon, LL.M. (Public
Orator) Q. Vict. Prof.
Davies, D. R. Seaborne, M.A.
Camb., LL.B. Wales (Com-
mon L.) Prof.

- Geddes, W., M.A., LL.M. (Constnl
and Roman L., Priv. Int. L.
and Jurisp.)

- Warr Mem. Lectr.
Turner, J., LL.M. (Solicitors Inter-
mediate Course, etc.)

- Lectr. and Tutor.
Vaines, J. Crossley, LL.M. (Per-
sonal Property, Evidence,
Bills of Exchange, Divorce)

- Lectr.
McCaig, C., F.C.A. (Book-keeping
and Trust Accounts) Lectr.
Taylor, A. J. E., LL.M. (Local
Govt. and Admin. L.) Lectr.

Mathematics, Applied

- Rosenhead, L., D.Sc. Leeds, Ph.D.
Leeds and Camb., F.R.S. Prof.
Fletcher, A., M.A., Ph.D. Camb.,
F.R.A.S. Lectr.
Daymond, S. D., M.A. Ox., B.Sc.
Lond. and Wales Lectr.
Jones, C. W., M.Sc. Lectr.
Sack, R. A., B.Sc., Ph.D. Brist.
Lectr.
Plackett, R. L., M.A. Camb.
(Statistics) Lectr.
Tempest, R. K., B.Sc. Asst. Lectr.
Fairbrother, H., M.Sc. Asst. Lectr.
Ferguson, W. J., B.Sc. Wales
Temp. Lectr.
Chadwick, Mary, B.Sc.
Temp. Lectr.
Doodson, A. T., D.Sc., F.R.S.
(Analysis of Observations)
Hon. Lectr.

Mathematics, Pure

- Whittaker, J. M., M.A. Camb.,
D.Sc. Edin. Prof.
Bradley, F. W., Ph.D. Camb.,
M.Sc. Lectr.
Fuchs, W. H. J., B.A., Ph.D.
Camb. Lectr.
Batty, Joyce S., M.Sc. Asst. Lectr.
Maitland, Barbara J., M.A. Ph.D.
Camb. Asst. Lectr.
Rindler, W., M.Sc.
Temp. Asst. Lectr.

*Medicine, v. infra**Music*

Abraham, G. E. H.
James and Constance
Alsop Prof.

*Naval Archit., v. Engin.**Oceanography*

Proudman, J., M.A. Camb., D.Sc.,
F.R.S. Prof.
Daniel, R. J., D.Sc.
Leverhulme Sr. Lectr.
Bowden, K. F., M.Sc. Lectr.
Gilles, D. C., B.Sc. Lond.
Asst. Lectr.

*Parasitology, v. Entomology**Philology, Comparative, v. German**Philosophy*

Dorward, A. J., M.A. Edin. and
Camb. Prof.
Lewy, C., M.A., Ph.D. Camb.
Lectr.

Physics

Chadwick, Sir James, M.Sc. Manc.,
Ph D. Camb., Hon. D.Sc.
Reading, Hon. LL.D. Liv.,
Hon. Sc D. Dub., F.R.S.
Lyon Jones Prof.
..... (Theoretical Physics) Prof.
Roberts, R. W., D.Sc. Sr. Lectr.
Rotblat, J., Dr. of Phys. and Mag.
of Philos. Warsaw Sr. Lectr.

Lecturers

Ablett, R., M.Sc., F.Inst.P.
Edwards, E., B.Sc. Wales, M.A.
Tor. (also Educn.).
Holt, J. R., B.Sc., Ph.D.
Jacob, L., M.Sc., Ph.D., H.Dip.Ed.
N.U.I.
Kinsey, B. B., B.A., Ph.D. Camb.
Leverhulme Lectr.
Parry, G., B.Sc. Lond.
Moore, M. J. Res. Asst. & Lectr.
McCusker, C.B.A., M.Sc. Manc.

Asst. Lecturers

Ashmore, A., B.Sc. Lond.
Lewis, I. A. D., B.A. Camb
Martin, D. G. E., B.Sc.
Chalmers, T. A., B.Sc., Ph D.
Lond. (Med. Radiol.)
Spl. Lectr.
Thomas, Eluned E., B.Sc. Wales
Demr.

Physiology and Histology

Newton, W. H., M.D., M.Sc. Manc.,
D.Sc. Lond. Holt Prof.
Brunton, C. E., M.A., Sc.D., M.D.
Dub. (Physiol.) Sr. Lectr.
Gregory, R. A., M.Sc., Ph.D.
(Exp. Physiol.) Sr. Lectr.
Hancox, N. M., M.D. (Hist.)
Sr Lectr.
Tozer, A. H. D., M.A. Camb.
(Norm. Psych. for Med. Stu-
dents) Lectr.
Richards, T. G., M.D. (Physiol.)
Lectr.
Coope, R., B.Sc., M.D. (Appld.
Physiol.) Lectr.
Calma, I., M.D. Milan (Physiol.)
Lectr.
Singleton, A. G., B.V.Sc. (Physiol.)
Asst. Lectr.
Kruszynski, J., M.D. (Histol.)
Asst. Lectr.
Dewar, A. D., B.Sc. Lond. Demr.
Daniel, H. M., M.D. Dub. Demr.

Psychology

Hearnshaw, L. S., M.A. Ox., B.A.
Lond. Prof.
Crawford, Agnes, B.A. Lond.
Temp. Lectr.

Russian Hist., Lang. and Lit.

Boswell, A. B., M.A. Bowes Prof.
Slepchenko, B. S. Pt.-time Tutor.

Social Science

Simey, T. S., M.A. Ox.
Charles Booth Prof.
Black, Ellinor I., B.Sc.(Econ.)
Lond. Sr. Lectr.

- Chapman, D., B.Sc.(Econ.) Lond.
Sr. Lectr.
- Hall, Mary P., B.A. Lectr.
- Wilson, N., M.A. (Pub. Admin.)
Leverhulme Lectr.
- Checkland, S. G., B.Com. Birm.
(Pub. Admin.) Lectr.
- Hall, Evelyn M., B.A. Lond.
Temp. Lectr.
- White, B. D., B.A. Asst. Lectr.
- Silberman, L., B.A. Witw., B.Sc.
(Econ.) Lond. (Labour Problems)
Spl. Lectr.
- Lewy, Eleanor, B.Sc. (Econ.)
Lond. (Pub. Admin.)
Spl. Lectr.
- Hyde, F. E., Ph.D. Lond., M.A.
(Pub. Admin.) Spl. Lectr.

Tutors

- Deed, Dorothy M.
Read, Doris B.

Spanish, v. Hispanic Studies*Vet. Science*

- Wright, J. G., M.V.Sc., F.R.C.V.S.
(Vet. Surg.) Prof.
- (Vet. Prev. Med.)
William Prescott Prof.
- Davies, G. O., D.V.Sc., D.V.H.
Sr. Lectr.
- Soltys, M. A., B.V.Sc., Dr. Med.
Vet., Ph.D. Sr. Lectr.
- Hughes, H. V., B.V.Sc., D.V.H.
Sr. Lectr.
- Isherwood, R., M.V.Sc. Sr. Lectr.
- Shuttleworth, A. C., M.V.Sc.,
F.R.C.V.S. Sr. Lectr.
- Arthur, G. H., M.V.Sc. Lectr.
- Dransfield, J. W., M.V.Sc. Lectr.
- Jennings, A. R., B.V.Sc. Lectr.
- King, J. O. L., B.Sc. Agric. Lectr.
- Lee, R. P. (Vet. Parasit.) Lectr.
- Elam, C. W., D.V.H.
Pt.-time Lectr.
- Wood, J. C., B.V.Sc. Asst. Lectr.
- Lambert, P. S., B.Sc. Asst. Lectr.
- Edwards, H. Demr.

Welsh, v. Celtic

- Zoology*, v. also Entom., Ocean.,
Parasit.
- Orton, J. H., D.Sc. Lond., F.L.S.
Derby Prof.
- Burfield, S. T., M.A. Camb., M.Sc.,
F.L.S. Sr. Lectr.
- Bisbee, Ruth C., M.Sc., F.L.S.
Lectr.
- Fordham, Mahalah G. C., M.Sc.
W. Aust. Lectr.
- Hynes, H. B. N., B.Sc., Ph.D. Lond.
(Freshwater Zool.) Lectr.
- Herdman, E. Catherine, M.Sc.
Hon. Lectr.
- Smith, C. L., B.Sc., Ph.D. (Experimental Zool.)
Lectr.
- Bruce, J. R., M.Sc.
Lectr. and Naturalist in
charge at Marine Biol.
Station, Port Erin.
- Assistant Lecturers
- Jones, I. Chester, B.Sc., Ph.D.
- Jones, J. W., B.Sc., Ph.D., Dipl. Ed.
- Jones, N. S., M.Sc.

Engineering

Civil Engineering

- Batson, R. G., M.Eng., F.K.C.
Prof.
- Hitchens, A. P., B.Eng. Lectr.
- Daymond, J. R., M.Sc. Wales
Lectr.
- Waters, H., M.Eng. Asst. Lectr.
- Armstrong, W. E. I., M.Eng.
Asst. Lectr.
- Rish, R. F., B.Sc. (Eng.) Lond.

Dock and Harbour Engineering

- Wilton, T. R., M.A. Camb.
Assoc. Prof.

Electrical Engineering

- Teago, F. J., D.Sc. Durh. (Electrotechnics)
Rankin Prof.
- Meek, J. M., D.Eng., F.Inst.P.
(Electronics) Jardine Prof.
- Butler, O. I., M.Sc. Wales (Electrotechnics)
Sr. Lectr.

Durnford, J., B.Sc. (Eng.) (Electronics) Lectr.
 Brookes, R. C., B.A. Camb. (Electronics) Pt.-time Lectr.
 Prime, H. A., B.Sc. Manc. (Electronics) Asst Lectr.
 Craggs, J. D., M.Sc., Ph.D. Lond., F.Inst.P. (Electronics) Lectr.
 Leathlean, S. W. B. (Electro-technics) Asst. Lectr.
 Benson, F. A., M.Eng. (Electro-technics) Asst. Lectr.
 Hardy, D. R., B.Sc. (Eng.) Lond. (Electro-technics) Asst. Lectr.
 Carter, A. O., M.Eng. (Electro-technics) Asst. Lectr.

Fluid Mechanics

Mawson, H., D.Sc. (Eng.) Lond. Sr. Lectr. in charge.
 Mobbs, F. R., M.Sc. Leeds, D.I.C. Demr.

Law, Engineering

Gordon, C. G. S., LL.B. Lectr.

Marine Engineering

The Prof. of Mech. E. Lectr.
 The Prof. of Nav. Arch. Lectr.

Mechanical Engineering

Kearton, W. J., D.Eng. Harrison Prof.
 Cole, E. B., M.Sc. Brist Lectr.
 Smith, G., B.Sc. (Eng.) (Design and Drawing) Lectr.
 Calvert, N. G., B.Eng., Ph.D. Lectr.
 Walshaw, T. D., B.Sc. (Eng.) Lond., D.I.C. Lectr.
 Elliott, D. E., B.Sc. Manc. Asst. Lectr.
 Meyer, M. L., Dipl.Eng. Asst. Lectr.
 Emery, D. W., B.Sc. (Eng.) Lond., D.I.C. Demr.
 Rushton, S. G., B.Sc. (Eng.) Lond. Temp. Demr.
 Miller, W. Lab. Super.
 Pullen, W. G. (Metal Work) Instr.
 Ainsworth, H. (Pattern Making) Instr.

Metallurgy

..... Wortley Prof.
 Kennett, S. J., B.Sc., Ph.D., D.I.C. Lectr.
 Owen, W. S., M.Eng. Asst. Lectr.

Naval Architecture

..... Alex. Elder Prof.
 Wilson, J. C. M., M.Eng. Lectr.
 Smith, H. Munro Lectr.

Medicine

(for subjects of first 2 yrs — Anat., etc., v. *supra*)

Anæsthesia

Gray, T. C., M.D., D.A. Reader.
 Rees, J. G., M.B., Ch.B., D.A. Pt.-time Demr.

Bacteriology

Downie, A. W., M.D., D.Sc. Prof.
 Robinson, D. T., M.Sc. Manc., Dipl. Bact. Manc. Assoc. Prof.

Vaughan, A. C. T., B.Sc., M.B., Ch.B. Lectr.
 Porterfield, J. S., M.B., Ch.B. Temp. Asst. Lectr.

McCarthy, K., M.B., Ch.B. Demr.
 McEntegart, M. G., M.B., Ch.B. Demr.

Child Health

Capon, N. B., M.D., F.R.C.P. Prof.
 Todd, R. M., M.A., M.D. Camb., D.C.H. Sr. Lectr.
 Brookfield, R. W., M.D., Ph.D., F.R.C.P., D.P.H. Pt.-time Lectr. and First Asst.
 Derham, R. L. J. S., M.B., Ch.B. Brist., D.C.H. Second Asst.

Cytology, v. Physiol. and Histol.

Dermatology
 Bamber, G. W., B.A., M.D. Camb., F.R.C.P. Lectr. in charge.

Diseases, Infectious

Christie, A. B., M.A., M.D. Aberd., D.P.H. Lond. Lectr.

- Diseases, Specific* [Lectr.
 Ross, A. O. F., M.D. Edin., D.P.H.
- Forensic Medicine and Toxicology*
 Grace, W. H., B.Sc. Syd., M.D.,
 D.P.H. Lond. Lectr.
- Laryngology*
 Forster, H. V., M.C., M.Sc., M.B.,
 Ch B Lectr.
- Materia Med., Pharmacy, Pharmacol. and Genl. Therap.*
 Dilling, W. J., M.B., Ch.B. Aberd.
 Prof.
 Brookfield, R. W., Ph.D., M.D.,
 D.P.H. (Therap.) Lectr.
 Roberts, J. B., M.B., Ch.B.
 (Pharmacol.) Lectr.
- Medicine* [Prof. & Clin. Lectr.
 Cohen, H., M.D., F.R.C.P., F.F.R.
 Reader.
 Chamberlain, E. N., M.Sc., M.D.,
 F.R.C.P. Sr. Lectr.
 Thomas, O. F., D.P.H. (Tuberculosis)
 Lectr.
- Lectrs. in Psychological Med.
 Barton Hall, S., M.D., D.P.M.
 Hopkins, F., M.D. Belf.
 Lectr. in charge
 Williamson, G., M.B., Ch.B.,
 D.P.M. Manc.
- Pt.-time Lectrs. in Pre-Clinical Med.
 Baker-Bates, E. T., M.D. (also
 Clin. Asst. Lectr. and Demr.
 in Med.).
 Jones, E. Wyn, M.D., D.P.H. (also
 Clin. Asst. Lectr.).
 Brookfield, R. W., Ph.D., M.D.,
 D.P.H. (also Clin. Lectr. and
 Demr. in Med.).
 Sanderson, G., M.D. (also Clin.
 Asst. Lectr.).
- Clinical Lectrs.*
 Chamberlain, E. N., M.Sc., M.D.,
 F.R.C.P.
 Ellis, G. R., M.A., M.D. Camb.
- Coope, R., B.Sc., M.D., F.R.C.P.
 Cunningham, L., M.A., M.B.,
 B.Ch. Camb.
 Jones, H. Wallace, M.Sc., M.D.,
 D.Ch.O., F.R.C.P.
 Pemberton, H. S., M.B., Ch.B.
- Clinical Asst. Lectrs.
 Clarke, C. A., M.A., M.D. Camb.
 Evans, R. M., M.A., M.B., B.Ch.
 Camb.
 Hughes, R. R., M.D.
 Jones, A. Thelwall, M.D., D.P.H.
 Sutton, W. S., M.B., Ch.B.
- Obstetrics and Gynaecology*
 Jeffcoate, T. N. A., M.D.,
 F.R.C.S.Ed., F.R.C.O.G.
 Prof. & Clin. Lectr.
 Hartley, R. L., M.D.
 Lectr. and First Asst. to
 Prof.
 Gemmell, A. A., M.A., M.D. Camb.,
 F.R.C.S. Ed., F.R.C.O.G.
 Lectr. & Clin. Lectr.
 (Endocrinology) Res. Asst.
 Hamilton, C. J. K., M.A., M.B.,
 B.Ch. Camb., F.R.C.S. Ed.
 Asst. Clin. Lectr. & Demr.
 Pritchard, J. G., M.B., Ch.B.
 Asst. and Tutor in Gynaecol.
 Lister, Ursula M., M.D. Lond.
 Resident Obstet. Registrar and Tutor.
 Hargreaves, Betty, M.B., Ch.B.
 Resident Registrar and
 Tutor, Obstet. Unit,
 Mill Road Hospital
- Clinical Lecturers (Gynaecol. and
 Obstet.)
 Malpas, P., Ch.M., F.R.C.S.,
 F.R.C.O.G.
 Robinson, Emeritus Professor
 A. Leyland, M.D., B.S.
 Lond., F.R.C.S., F.R.C.O.G.
 (Gynaecol.).
 Herd, S. B., M.D. (Gynaecol.).
 Walsh, C. H., M.B., Ch.B., D.P.H.,
 F.R.C.O.G.

Wilson, J. St. G., M.C., Ch.M.,
F.R.C.S., F.R.C.O.G.

Clinical Asst. Lectrs (Gynæcol
and Obstet.)

Datnow, M. M., M.D., F.R.C.S. Ed.,
F.R.C.O.G. (also Clin. Lectr.
in Obstet.).

Marshall, C. McIntosh, M.B., Ch. B.
N.Z., F.R.C.S.

Mayeur, Mary H., M.D. Lond.,
F.R.C.S.

Clinical Asst. Lectr. (Obstet.)

Lennon, T. E., M.D.

Ophthalmology

Reid, A. McKie, M.C., T.D., M.B.,
Ch.B., F.R.C.S., D.O.M.S.
Lectr.

Pædiatrics (Clinical)

Lecturers

Capon, N. B., M.D., F.R.C.P.

Thompson, W. A., M.Ch. Belf.,
F.R.C.S. Ed.

Brookfield, R. W., Ph.D., M.D.,
F.R.C.P.

Asst. Lectrs.

Hawe, P. R., Ch.M., F.R.C.S.

Hay, J. D., M.A. Camb., M.D.,
D.C.H.

Pædiatrics (Clinical Preventive)

Lecturers

Bell, Ruby E., M.B., Ch.B., D.P.H.

Gamlin, R., M.A., M.B., B.Ch.,
M.Hyg., D.P.H.

Pathology

Sheehan, H. L., M.D., D.Sc. Manc.
Holt Prof.

McConnell, Edith M., M.B., Ch.B.
Lectr.

St. Hill, C. A., M.B., Ch.B. Brist.
(Clin. Path.) Temp. Lectr.

Davidson, Jane, M.B., Ch.B.
Aberd. Lectr.

Fodden, J. H., M.D. Leeds Lectr.

Nairn, R. C., M.D. Lectr.

Davis, J. C., M.B., Ch.B.
Asst. Lectr.

Pharmacology and Genl. Therap.,
v. Mat. Med., etc.

Public Health

Frazer, W. M., O.B.E., M.D.,
M.Sc., D.P.H. Prof.

Lectrs. in Pub. Health Admin.

Stallybrass, C. O., M.D., B.S.,
D.P.H.

Glover, B. T. J., M.D., D.P.H.
(and Vaccn.)

Thomas, O. F., D.P.H. (Tubercu-
losis) Hon. Lectr.

Radio-diagnosis

Whitaker, P. H., M.B., Ch.B.,
D.M.R.E. Lectr.

Hon. Asst. Lectrs

Gemmell, R. W., M.D., D.P.H.,
D.M.R.E.

Ross, J. A., M.A. Camb., D.M.R.E.

Rubin, E. L., M.D., D.M.R.E.

Walker, Norah M., M.B., Ch.B.
Manc., D.M.R.E.

Radiotherapy

Fulton, J. S., C.B.E., M.D. Edin.
Lectr.

Stewart, M. A., M.B., Ch.B. N.Z.,
D.M.R. Lond.

Hon. Asst. Lectr.

Chalmers, T. A., B.Sc., Ph.D.
Lond. Temp. Spl. Lectr.

Surgery

Wells, C. A., M.B., Ch.B., F.R.C.S.
Prof. and Clin. Lectr.

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Prof., and Director of
Orthopædic Studies

Stock, F. E., M.B., B.S. Lond.,
F.R.C.S., D.T.M. & H. Edin.

Lectr. & Asst. to Prof.

McFarland, Bryan L., M.D., M.Ch.
Orth., F.R.C.S. Ed. (Orthop.)

Lectr. and Clin. Lectr.

Oldham, J. B., M.B., Ch.B.,
F.R.C.S.

Lectr. and Clin. Lectr.

Ross, J. Cosbie, Ch.M., F.R.C.S.
 Lectr. and Clin Lectr.
 Reid, H., M.B., Ch.B., F.R.C.S.
 Clin. Lectr. and Lectr.
 Dental Students.
 Lehane, D., M.B., B.Ch. N.U.I.
 (Hæmatology) Hon Lectr.
 Annis, D., M.B., Ch.B., F.R.C.S.
 Research Asst
 Edwards, F. R., M.D., Ch.M.,
 F.R.C.S. Research Asst
 Tucker, F. R., M.D. Mantr., M.Ch.
 Orth., F.R.C.S. Ed. (Orthop)
 Research Asst.
 Hughes, J. Howell, M.D., Ch.M.,
 F.R.C.S.
 Pt.-time Lectr. (Surg.
 Path.) and Asst. Clin.
 Lectr.
 Davies, H. Morriston, M.A., M.D.,
 M.Ch. Camb., Ch.M., F.R.C.S.
 (Thoracic Surg.)
 Hon. Clin. Lectr.

Pt.-time Lectrs. in Pre-Clinical
 Surgery

Dwyer, F. C., M.B., Ch.B. Cape T.,
 M.Ch. Orth., F.R.C.S.
 Hunter, W. R., Ch.M., F.R.C.S.
 (also Clin. Asst. Lectr.).
 Morrison, J. T., O.B.E., M.B.,
 Ch.B., F.R.C.S. (also Clin
 Lectr.).
 Roaf, R., M.A., B.M., B.Ch. Ox.,
 M.Ch. Orth., F.R.C.S. (also
 Clin. Asst. Lectr. Orthop.)
 Wardle, E. N., M.B., Ch.B., M.Ch.
 Orth., F.R.C.S. (also Clin.
 Asst. Lectr. Orthop.)
 Wilson, A. Kirk, M.B., Ch.B.,
 F.R.C.S. Ed. (also Clin. Lectr.).

Other Clinical Lectrs.

Kennon, R., M.C., M.D., F.R.C.S.
 Roberts, N. W., M.B., Ch.B.,
 M.Ch. Orth., F.R.C.S. (Or-
 thop.).
 Hawe, P. R., Ch.M., F.R.C.S.
 Unsworth, S. V., M.B., Ch.B.,
 F.R.C.S.

Clinical Asst. Lectrs.
 Beattie, W. M., M.A., M.Ch.
 Camb, F.R.C.S.
 Bennett-Jones, M. J., Ch.M.,
 F.R.C.S.
 Brewer, A. C., M.B., Ch.B.,
 F.R.C.S. (also Demr. and
 Lectr. Clin. Surg. for Dental
 Students).
 Doyle, R., M.B., Ch.B., F.R.C.S.
 Evans, F. I., M.C., M.B.E., M.A.,
 M.B., B.Ch. Camb., F.R.C.S.
 Moroney, P. B., V.D., M.B., Ch.B.,
 M.Ch. Orth., F.R.C.S. (Or-
 thop.)
 Silverstone, M., Ch.M., F.R.C.S.
 Thomas, G. E., M.B., B.S. Lond.,
 M.B., Ch.B., M.Ch. Orth.,
 F.R.C.S. Ed. (Orthop.)

Tropical Hygiene

Davey, T. H., M.D. Belf., D.P.H.
 Prof.

Tropical Medicine

Maegraith, B. G., M.B., B.S. Adel.,
 B.Sc., D.Phil., M.A. Ox.
 A. Jones Prof.
 Adams, A. R. D., M.D., D.T.M.
 Sr. Lectr.

Vaccination, v. Public Health

Dentistry

Stones, Prof. H. H., Director of
 Dental Education (v. also D.
 Surg.).

D. Anæsthetics

Halton, J., M.B., Ch.B., D.A.
 Lectr.
 Davies, E. Wynn, H.D.D. Edin.,
 L.D.S. Demr.

D. Prosthetics and Mechanics

Watt, G. V., L.D.S. Supervisor.
 Farmer, E. D., B.D.S. Demr.

D. Metallurgy, v. Metall. *supra*

- D. Surgery, D. Pathology, D Bacteriology*
 Stones, H. H., M.D., M.D.S. Manc., L.D.S. Cohen Prof.
 Lawton, F. E., B.D.S. (Conserv. D. Surg.) Lectr.
 Slack, G. L., O.B.E., D.D.S. Chicago, L.D.S. (Conserv. D. Surg.) Lectr.
 Levi, H. T., M.B., Ch.B. (D. Path and Bact.) Lectr.
 Hartles, R. L., B.Sc. (Biochem D. Surg.) Lectr.
 Myers, G. E., B.D.S. Asst. Lectr.
- D. Surgery, Clin.*
 6 Lectrs.; 5 Asst. Lectrs., 1 Tutor.
- D. Surgery, Operative*
 Collinge, J. S. H., L.D.S. Lectr.
- Odontology*
 Guyler, T. W. C., B.D.S.
- Orthodontia*
 Softley, J. W., B.D.S. Part-time Lectr.
 Adams, C. P., B.D.S. Asst. Lectr.
 Burston, W. R., B.D.S. Asst. Lectr.
- Radiology*
 Rubin, E. L., M.D., D.M.R.E., F.F.R.
 Museum
 Drake, A. F., B.D.S. Curator.
- Physical Education**
 Dunn, R. E., B.Sc. Lond. Lectr.
 Tayler, Mary C. (Women Students) Instr.
- Shute Lecturer (Art of the Theatre)**
 1947-48—Louis Macneice, M.A.
- Frazer Lecturer (Social Anthropology—Oxford, Cambridge, Glasgow, Liverpool, in rotation).**
 1947-48—At Cambridge.
- Forwood Lecturer (Philosophy of Religion)**
 The Very Rev. M. C. D'Arcy, S.J., M.A., LL.D., D.Litt.
- William Mitchell Banks Memorial Lecturer**
 (every 2nd yr.)
- Lady Jones Lecturer (Orthopædic Surg.—every 2nd yr.)**
- Sydney Jones Lecturer (Art)**
 1947-48—Eric Newton, B.A.
- University Extension**
 Director of Extra-mural Studies
 A. McPhee, M.A., B.Com. Edin., Ph.D. Lond.
 Asst. to Director
 Jones, R. H., B.Sc., M.A.
 Staff Tutors
 Burr, J., M.A.
 Husain, B. M., M.A.
 Whitehall, W. H., Mus.Bac. Manc.
 Wright, R. R., M.A. Durh. and Camb.
 Joint Secs. to the Jt. Committee on Tutorial Classes
 F. Garstang.
 A. McPhee.

ASSOCIATED AND AFFILIATED INSTITUTIONS

LIVERPOOL OBSERVATORY AND TIDAL INSTITUTE. Observatory est. 1845, Tidal Institute, 1919. Administered by a Joint Committee representing the Univ. Council and the Mersey Docks and Harbour Board. Director, A. T. Doodson, D.Sc., F.R.S.

ST. AIDAN'S COLLEGE, Birkenhead. Principal, Rev. Canon F. B. Heiser, M.A. Ox. Certain courses (not given in the Univ.) are recognized as Univ.

courses in part for the ordinary degree of B.A. Recognized Teacher in *Ecol. Hist.*, Dixon, Rev. J. W., M.A.

EDGE HILL TRAINING COLLEGE, Ormskirk. Principal, Margaret I. Bain, M.A., D. de l'U. Paris.

MOUNT PLEASANT TRAINING COLLEGE. Principal, Mildred M. Canavan, B.Sc.

DIOCESAN TRAINING COLLEGE, Chester. Principal, Rev. Canon H. Stanley Astbury, M.C., M.A. Camb. Recognized Teachers: Pickup, E., B.A. (in *French*); Bradbury, J. L., M.A. (in *Engl.*); Stephens, J. S., B.A. (in *Geog.*); Hooper, F. W., B.Sc. (in *Chem. and Physics*); Lewis, W. E., M.A. (in *Maths.*).

THE HARRIS INSTITUTE, Preston. First year of Degree Course (Engineering).

SCHOOL OF TROPICAL MEDICINE, Pembroke Place, Liverpool. Ward for Tropical Diseases at Royal Infirmary, Liverpool. Research laboratory at Sierra Leone (closed during the War and not yet re-opened). For training in the conduct of original research and organization of prophylactic measures. Has sent numerous expeditions to tropical countries. Publishes *Annals*. For staff, v. *supra*—Trop. Med., Trop. Hygiene, Parasit., Entom., Chemotherapy. D.T.M. and H., 6 mos.' course.

PATHOLOGICAL LABORATORY, County Mental Hospital, Rainhill.

FACULTY OF MEDICINE: 21 general and special hospitals are affiliated for the purpose of clinical or practical work required for degrees and diplomas in the Faculty of Medicine. Clinical instruction in Gynæcology and Obstetrics is also given at four Municipal Hospitals.

GENERAL INFORMATION

University College, Liverpool, founded by Royal Charter 1881, was admitted into the Victoria University, Manchester, in 1884. In 1903 the University of Liverpool was established by Royal Charter and the College was absorbed in it.

LIBRARY, MUSEUMS, ETC. The library of the Univ contains about 250,000 vols. The most important collections received by gift or bequest are those of Thomas Glazebrook Rylands (1900), rich in early geography, astronomy, mathematics and British local history; of William Noble (1912), containing most of the finely printed books published in England since about 1880; and of R. A. Scott Macfie (1935), entirely devoted to the Gypsies. The Library possesses a small but fairly representative collection of mediæval manuscripts, including an important text of *Piers Plowman*, and about 250 incunabula. Special bibliographies have been issued. In addition there are numerous Class Libraries in the Faculty of Arts and a Departmental Library of Music.

The following are the principal MUSEUMS AND LABORATORIES: Appl. Maths., Anat., Archæol., Archit., Bact., Biochem., Bot., Chem., Physical and Electro-Chem., Elect. Engin., Embryol. and Genetics, Engin., Geol., Public Health, Child Health, Laryngology, Materna Medica, Med., Trop. Med. (including museum, animal houses, and specially warmed glass insectarium, and research labs. at Liverpool and Sierra Leone), Chemotherapy, Obst. and Gynæc., Oceanog., Ophth., Path., Physics, Physiol. and Histol., Radio-diagnosis, Radiotherapy, Surg. Path., Tidal Research, Toxicology, Vet. Anat. and Path., Vet. Hosp. in Liverpool and a Vet. Field Station and Hosp. in Wirral, Zool. The Port Erin (Isle of Man) Marine Biol. Lab. has been transferred to the Univ. by an Act of Tynwald. HOSPITALS available for Clinics, 4 general (now incorpor-

ated in one body), 17 special and 4 municipal hospitals. The trade of the port ensures frequent cases of infection. Special wards for Trop. Diseases. Expeditions to Tropical countries organized for investigation or advice. Suitably qualified persons may enter the Labs. for research at prescribed fees.

FACULTIES. (1) Arts, with Schools of Archit, Archæol., Social Sciences and Administration (including Economics, Commerce, Geography, Social Science), Local History and Records, Russian Studies, Hispanic Studies and Departments of Civic Design and Educn.; (2) Science (with Liverpool Observatory and Tidal Institute and Port Erin Marine Biological Station); (3) Medicine (with Schools of Dent. Surg., Public Health, Trop. Med., Vet. Sc.); (4) Law; (5) Engineering. *Deans*: (1) Prof. H. A. Ormerod (Anc. Hist.), (2) Prof. J. M. Whittaker (Pure Maths.), (3) J. T. Morrison (Surg), (4) Prof. D. R. Seaborne Davies (Common Law), (5) Prof. R. G. Batson (Civil Engin.). Director of Dental Educn., Prof. H. H. Stones (Dent. Surg.).

ADMISSION. See Appendix I.

DEGREE COURSES. B.A., B.Com., B.Sc., LL.B., 3 yrs.; B.Eng., 3 or 4 yrs.; B.Arch., B.V.Sc., 5 yrs.; M.B., Ch.B., not less than 6 yrs., subsequent to admission to the Fac. of Med.; B.D.S. not less than 5 yrs and two Terms.

The degree of B.A. is conferred either as a degree in General Studies or as a degree in Special Studies in one of the Schools of the Faculty. Honours may be awarded in both General and Special Studies.

There are alternative curricula for the degree of B.Com. Alternative A is for the ordinary student in Commerce, Alternative B is for those who wish to enter the accountancy profession.

The LL.B. courses prepare for the Bar and solicitors' examns. as well as for the Degree.

The B.V.Sc is taken concurrently with the M.R.C.V.S.

HIGHER DEGREES. Ph.D. v. p. 15. Faculty of Arts: Litt.D.—On published contributions to learning, after report, upon Masters of Arts after 7 yrs. from date of admission to the degree of B.A. M.A.—2 yrs.' directed study after Hons. B.A., and dissertation with or without examn., or report on 2 yrs.' research work. 2 yrs.' directed study after Ord. B.A., B.Com., or B.Arch. (Ord. or Hons.) and dissertation with or without examn. Other graduates or candidates who have passed a final degree examn. eligible under certain conditions after 2 yrs.' higher study. Other approved candidates, 3 sessions. M.Arch.—On architectural work of a distinguished character, after report; 10 yrs. from taking B.Arch. M.Com.—2 yrs.' directed study after B.Com. or B.Com.Sc., by examn. or by presenting dissertation with or without examn. Other graduates eligible under certain conditions after 2 yrs.' higher study. Faculty of Law: LL.D.—On published contributions to learning, after report, after 5 yrs. from taking LL.M. LL.M.—2 yrs.' directed study after Hons. LL.B. Holders of Ord. LL.B. take examn. or present a dissertation with or without examn. Other grads. or candidates who have passed a final degree examn. eligible under certain conditions after 2 yrs.' higher study. Other approved candidates, 3 yrs. Faculty of Science: D.Sc.—On published contributions to Science, after report; candidates to be graduates of Liverpool of not less than 6 yrs.' standing. M.Sc.—Hons. B.Sc., 1 session higher study or research; Ord. B.Sc., 1 yr.'s higher study and passing a prescribed examn. Subsequently, 3 terms' higher study or research. Persons who pass the Final B.Sc. examn. at the end of the second year, 1 session after passing a prescribed examn., and subsequently 6 terms' higher study or research. Other grads., one, two or three sessions according to qualification of candidate. Other approved candidates, 3 sessions. Faculty of Medicine: M.D.—(a) 2 yrs. after

M.B., Ch.B., thesis with, if candidate desires, copies of published original papers upon Med. Sci. Oral examn. on subject of thesis. (b) 5 yrs. after M.B., Ch.B., examn. in Med. and in a selected branch of Med. Ch.M.—2 sessions after M.B., Ch.B., by examn. The Ch.M. is open to grads., other than Med., of this or approved Univs., who hold a Med. qualification registrable in Gt. Britain. M.Ch.Orth.—15 mos. after M.B., Ch.B. or equivalent, by examn. The M.Ch.Orth. is open to grads., other than Med., of this or approved Univs. who are F.R.C.S. (Eng., Ed., I., Aust. or Can.) or Fellows of the American Coll. of Surg. M.Rad. (in either of two branches, viz.: Radio-diagnosis or Radiotherapy). The M.Rad. is open to grads. in Med. of this or an approved Univ. and to grads., other than Med., who hold an approved higher Med. qualification. 1 yr. and 9 mos.' prescribed study and examn. Master of Dental Surgery (M.D.S.) 2 yrs.' standing from taking B.D.S., 3 yrs.' standing (with 1 yr.'s higher study or research) from equivalent to B.D.S. Thesis with, if desired, copies of published work relative to Dent. Sci. and special examn. D.V.Sc.—On published contributions to Vet. Sci., after report, after 3 yrs. from taking M.V.Sc. M.V.Sc.—2 sessions of higher study after B.V.Sc. (or equivalent), by thesis and possibly by examn. Faculty of Engineering: D.Eng.—On published contributions to Engin., after report, on Masters of Engineering or Doctors of Philosophy (Fac. of Engin.), after 5 yrs. from taking such degree. M.Eng.—2 yrs.' practice after Hons. B.Eng. 2 yrs.' practice and either (a) one of such years in higher study and report, or (b) on presenting dissertation, after ordinary B.Eng. Other grads., 2 yrs.' higher study and thesis. Other approved candidates 3 yrs. with examn. and thesis.

DIPLOMAS. Archæol., 1 yr. after Certif. in Archæol.; Archit., 5 yrs.; Civic Design, 1 yr. after Certif. in Civic Design or for graduates and others suitably qualified; Commerce, 3 yrs.; Educn., 1 yr. for graduates or candidates who have passed final degree examn.; Public Admn., 3 yrs., 2 yrs. or 1 yr. according to qualifications of candidates; Study of Records and Admn. of Archives, 1 yr. for full-time students, 2 yrs. for others; Engin., 2 yrs.' practice of Engin. after final examn. for Certif. (including 1 yr.'s approved study or dissertation). Candidates who passed in 8 papers in final Certif. examn., 2 yrs.' practice; L.D.S., not less than 4 yrs. and 2 terms. Postgraduate medical and veterinary diplomas: D.P.H., 1 yr.; D.T.M. and H. (Trop. Med. and Hyg.), 6 mos.; D.V.H. (Vet. Hyg.), 6 mos.

CERTIFICATES. Archæol., 2 yrs.; separate Arts subjects, 2 yrs.; Architectural Design, 1 yr.; Civic Design, 2 terms of 2 yrs.; Social Science, 1 or 2 yrs.; Educn., 1 yr. for graduates and others suitably qualified; Care of Children and Young Persons, not less than 12 mos.; Public Health, 1 term; Engin., 4 yrs. (3 yrs. for candidates who have taken appd. techn. course); University Extension courses, 1 yr.

TESTAMUR. International Relations, 1 yr.

FEES. Guild of Undergrads., £3:15s. p.a. **DEGREE COURSES:** B.A. or B.Com. (3 yrs.), £90 (B.A. Special Studies, 4th yr., £10); M.A. or M.Com. (sessional), £7:7s.; B.Arch. (5 yrs.), £180; B.Sc. (3 yrs.), £120 (B.Sc. Hons., 4th yr., £30 or £40); M.Sc. (sessional), Maths., £7:7s.; other subis., £10. M.B., Ch.B. (6 yrs.), £271:11:6; M.D. (sessional), £10; Ch.M. (2 yrs.), £60; M.Ch.Orth. (15 mos. or 12 mos.), £80 or £70; M.Rad. (1 yr. 9 mos.), £100; B.D.S. (5 yrs. 2 terms), £309; M.D.S. (2 or 3 yrs.), £22; B.V.Sc. (5 yrs.), £210; M.V.Sc., 1st yr., £20, 2nd yr., £10; LL.B. (3 yrs.), £61:14s.; LL.M. (sessional), £7:7s.; B.Eng. (3 or 4 yrs.), £144-£192; M.Eng. (2 yrs.), £20; Ph.D. (9 terms or 2 calendar yrs.), £40:10s. or £27. Apparatus fee per session for candidates taking Research and degrees with research (Sc., Med., Eng., except Maths.),

£10. DIPLOMA COURSES: Archit. (5 yrs.), £180; Civ. Des. (1 yr.), £22: 10s.; Educn. (1 yr.), £35; Com. (3 yrs.), £90; Archæol. (1 yr.), £10; Public Admin. (3 yrs.), £30; Study of Records and Admin. of Archives (1 or 2 yrs.), £20; D.P.H. (1 yr.), £60; D.T.M. and H. (6 mos.), £42; Course in Operative Surg. for F.R.C.S., £5: 12s.; L.D.S. Liv., £253; M.R.C.V.S. (5 yrs.), £210; D.V.H. (6 mos.), £21; Eng., 1 yr. after taking Certif. in Engn., £48 per session. CERTIFICATE COURSES: Archit. Des. (1 yr.), £35; Civ. Des. (2 terms of two sessions), £10; Soc. Science, 1st yr., £25; 2nd or 3rd yr., £25; course in 1 yr., £30; Archæol. (2 yrs.), £30; Educn. (1 yr.), £35; Care of Children and Young Persons (not less than 12 mos.), £35; Engn., 3 or 4 yrs. at £48 per session. Separate Arts Subjects: as for separate courses. Testamur in International Relations (1 yr.), £10.

EXAMN. FEES. M.B. and Ch.B., £22: 1s.; B.D.S., £25: 4s.; B.V.Sc., £19; B.Arch., £7: 10s.; B.Eng., £5 or £7; other Bachelor degrees, £5 or £6; Master's degree (examn. or on application), Ch.M., M.Ch.Orth., M.Rad., £10: 10s.; M.D.S., £10: 10s.; M.V.Sc., £5; others, £4; M.Sc., qual. examn., £2; Doctor's (examn. or on application), Ph.D., £10; M.D., £10: 10s.; others, £10. Diploma examns., L.D.S., £19: 19s.; Comm., £5; Archæol., £3; Public Admin., £1; Civic Design, £1: 10: 6; Architect., £7: 10s.; Educn., £2; Study of Records and Admin. of Archives, £2; Eng., £3; D.P.H., £10: 10s.; D.T.M. and H., £6: 6s. Certif. Examns., Eng., £5; Public Health, £5: 5s.; Care of Children and Young Persons, £2; others, £2. Testamur in International Relations, included in tuition fees. Degree Admission Fees: *First Degrees*—B.A., B.Arch., B.Com., B.Sc., B.V.Sc., LL.B., B.Eng., £6 or £5; M.B., Ch.B., B.D.S., £6: 6s. or £5: 5s. *Higher Degrees*—M.A., M.Com., M.Sc., LL.M., M.Eng., £7 or £6; M.Arch., £6; Ch.M., M.Ch.Orth., M.Rad., M.D.S., £10; M.V.Sc., £6 or £5; all Doctors' Degrees: £10 (except Ph.D., £7 or £6, and LL.D., £5). Diplomas and Certificates: D.P.H., £2: 2s.; D.T.M. and H., £3: 3s.; L.D.S., £2: 2s.; Dipl. Eng., £3; others, £1; Certificate in Public Health, £1: 1s.; Certificate in Engineering, £2; others, £1. *Note*: The lower figure is charged when a candidate has previously graduated in the University.

POSTGRADUATE FELLOWSHIPS, SCHOLARSHIPS, ETC. A large number of valuable Fellowships and Scholarships are offered annually in all Faculties.

RESIDENCE, ETC. Hall of Residence for Men: Derby Hall, Mossley Hill Road, Liverpool, 18 (Warden: Prof. D. R. Seaborne Davies, M.A., LL.B.), accommodation for 130 students. Halls of residence for Women: University Hall, Holly Road, Fairfield, Liverpool, 7 (Warden: Miss Margery Knight, D.Sc., F.L.S.), accommodation for 108 students; Rankin Hall, 38-46 Ullet Road, Liverpool, 17 (Warden: Miss M. C. Taylor), accommodation for 110 students. Fees for all three hostels, £75 per session for a single room, £73 per session for a shared room.

APPOINTMENTS BUREAU. Secretary, The Assistant Registrar.

ASSOCIATION OF GRADUATES. Besides "Convocation," there is a Liverpool University Society, with mainly social functions.

A UNIVERSITY EXTENSION BOARD and a University Joint Committee on Tutorial Classes are responsible for extra-mural work. There are travelling libraries for local centres.

PUBLICATIONS. *Calendar* (Oct.), 3s. 6d.; *Diary* (Oct.), free to members of the Univ.; *Prospectuses of Faculties and Schools* (July), free; *Students' Handbook* (Oct.), free; *Students' Magazine, The Sphinx*, 6d. (4 numbers per session); *Med. Students Mag., Sphincter*, 2s. 6d. p.a. (3 numbers per session); *Report on Research and other Original Work* (Nov.), free; *Inaugural*

Lectures. Issued in 1920, *inter alia*, School of Tropical Medicine Historical Record, 1898-1920, 10s. 6d.; *A Brief Record of Work and Progress* (1882-1907; 1903-28).

THE YEAR 1946-47

BENEFACTIONS. Bequest under the Will of the late Sir Sydney Jones of his house "Eastbourne," Princes Park, and its contents together with the residue of his estate, subject to the life interest of his brother, Mr. Ronald P. Jones; Mr. Ronald P. Jones, approx. £40,000 being his life interest in the residuary estate of his brother, the late Sir Sydney Jones, as his own memorial to Sir Sydney; bequest under the Will of the late Dr. J. Middlemass Hunt, £20,000 under terms conveyed in a letter from the Midland Bank Executor and Trustee Co. Ltd., dated Sept. 15, 1947; Executors of the Will of the late Mr. R. B. Forman, £9028:6:2 (furniture and equipment for the Staff House); the Nuffield Provincial Hospitals Trust (*per* the Liverpool Hospitals Joint Advisory Committee), £3000, being the first annual grant to the Dept. of Neurosurgery; Nuffield Foundation, £700 (Soc. Sci.); Messrs. J. Bibby & Sons, Ltd., £1500 (Veterinary Field Station New Animal Block), £750 (Biochem., £250; the Veterinary Field Station, £250; Indust. Chem., £250); the Charles Brotherton Trustees, (i) £300 on account of the Charles Brotherton Scholps., (ii) offer to continue to award two Charles Brotherton Scholps. at their present value of £150, (iii) offer of £600, payable in four annual instalments of £150, for the award of additional Brotherton Scholps. in place of those which were not taken up during the war; the Racecourse Totalisator Charity Trust, £1000 for the provision of a Scholp. in Veterinary Research; the Rt. Hon. H. Graham White, £1000 on account of the Report of Economic cost of theft; Messrs. Pilkington Bros., Ltd., £500; the Sir Edward Cassell Trustees, (i) £200 (final grant on account of the Lectureship in Hispanic Studies), (ii) £200, being the first moiety of a grant for the Dept. of Spanish (1946-47); Dr. Howel P. Williams, £500 for the Gwladys and Olwen Williams Memorial Lectureship in accordance with the wishes of his late mother; Messrs. William Crawford & Sons, Ltd., £200 for Social Science Research, and £150 (Sustentation Fund); the Instituto para a Alta Cultura, £298:10:1, on account of the Portuguese Lectureship, 1946; the Royal Society, £300 for the purchase of a potentiometer for the Chem. Dept.; Joint Standing Committee of the Universities and Accountancy Profession, £250; Messrs. Lewis's Ltd., £200, being the first of seven annual subscriptions under a Deed for research by the Dept. of El. Engin. (Electro-technics).

NEW BUILDINGS. Transfer of the Liverpool Royal Institution to the Univ. Bequest of a house known as "Eastbourne" for the official residence of the Vice-Chancellor. Acquisition of a house in Abercromby Square for the accommodation of the Dept. of Civic Design.

NEW DEPARTMENTS AND POSTS. Chair of Classical Archæol. merged with the Chair of Ancient Hist. Establishment of Chair of Theoretical Physics, Dept. of Chemotherapy, Dept. of Fluid Mechanics, Special Lectureship (teaching of Physics for Med. Radiology), Research Lectureship in Biochemistry (teeth in health and disease), two sub-Deanships in each of the Facs. of Arts and Sci.

OTHER DEVELOPMENTS. Establishment of (a) Diploma in study of Records and Administration of Archives; (b) Certificate in the Care of Children and Young Persons; (c) Christiana Hartley Postgraduate Studentship (Fac. of Med.); (d) Cow and Gate Fellowship (£650 p.a.) and Cow and Gate Scholp

(£250 p.a.) in Pædiatrics; (e) Undergraduate Scholps. in the Fac. of Med.; (f) Gwladys and Olwen Williams Memorial Lectureship (any aspect of Med.); (g) Grotius Prize in Internat. Law; (h) William Henry McMenemey Prize (Engin.). Purchase of a motor-boat for marine investigation. The Univ. has become closely associated with two new projects: (a) establishment of a Residential Coll. for Adult Educn.; (b) establishment of a Liverpool Inst. of Educn.

CHANGES IN REGULATIONS. Amendments, mostly of a minor character, to Ordinances and Regns. for Degrees of B.A., M.A., M.Com., B.Sc., M.B., Ch.B., Ch.M., M.Ch Orth., M.Rad., B.V.Sc., B.Eng., Ph.D., Diplomas in Archit., Civic Design, Com., Educn., Pub. Admin., Licence in Dent. Surg., Certificates in Soc. Sci., Educn., Engin., Entrance Scholps., Studentships and Prizes.

EXTRA-MURAL WORK. During Session 1946-47 the Board arranged 74 lectures and 21 classes and courses. 99 Tutorial Classes, through a Joint Committee on Tutorial Classes, were arranged. The number of Staff Tutors was increased from 2 to 5 and an Assistant to the Director was appointed. Decision taken to establish an Extra-mural gramophone library and to appoint a part-time Librarian. Tutor training classes were held in conjunction with the Workers' Educational Association. Work in connexion with the Liverpool Regional Committee for Adult Education of H.M. Forces was continued. A Summer School was held at Chester Diocesan Training College during a period of three weeks.

VISITING LECTURERS. Spanish academician Prof. Dámaso Alonso—"Garcilaso de la Vega and Góngora." Dr. Arciniengas—"Colombia." M. Bony—"L'Art impressionniste en France." Dr. J. D. Cockcroft—"The Contribution of Radar in the War." Dr. Falchetti (Montevideo)—visit only. Prof. Sr. Elliott García (Chile)—tutorial classes and conversation. Dr. Giordano (Montevideo)—visit only. Dr. Lewis Hanke (Library of Congress, U.S.A.)—"La Libertad de Palabra en Hispano-América durante el siglo XVI." M. H. Jourdan—"Idéologies françaises au XIX^e siècle." M. René Lalou—"Sainte-Beuve." Prof. A. Ostrowski (Basle)—Pure Maths. Don Leopoldo Panero—"Poesía española contemporánea." Prof. E. Perroy—"The Economic Crisis of the 14th Century in Europe." M. Picaud—"Pascal." Prof. E. Pujals (Barcelona)—"Espronceda y Lord Byron."

RETIREMENTS. Mrs. Mary E. Farmer (Lectr., Social Science); Prof. W. C. McC. Lewis (Grant-Brunner Prof., Inorg. and Phys. Chem.); Mr. J. E. Marshall (Sr. Lectr. and Studio Instr. in Archit.); Miss M. Sampson (Recognized Teacher in Latin); Mr. H. G. Watkin (Lectr., Orthodontics).

RESIGNATIONS. Prof. G. C. Allen (Econ. Sci.), on appt. to Chair, Univ. Coll., London; Mr. H. E. Ballance (Anæsthetics and Parodontal Diseases), on resuming private practice; Dr. T. E. D. Beavan (Child Health), on appt. as Child Health Officer, County Council, West Riding of Yorkshire; Mr. J. S. Bromley (Mod. Hist.), on appt. to Fellowship, Oxford Univ.; Mr. P. Chance (Mod. Hist.); Mr. K. Clarke (Org. Chem.), on taking up research; Dr. F. F. C. Curtis (Archit.), on appt. as Chief Architect, Great Western Railway Co.; Prof. T. B. Davie (Appl. Path.), on appt. as Vice-Chancellor, Univ. of Cape Town; Dr. D. R. Davies (App. Maths.), on appt. at Univ. Coll., Southampton; Mr. G. G. Dobson (Archit.), on appt. with Colonial Office (Leeward Islands); Dr. E. G. Donovan (Physiol.), on appt. at Heswall Children's Hospital; Mr. B. Downs (Mech. Engin.), on appt. as Lectr., Univ. of Adelaide; Dr. K. R. Dumbell (Bact.), on research appt. with Medical Research Council; Mr. I. L. Foster (Celtic), on appt. to Jesus Chair of Celtic, Univ. of Oxford; Mr. G. Glaser

(Org. Chem.), on taking up research; Dr. Kathleen Hall (Physiol.), on appt. at Birmingham Univ.; Mr. A. Hamilton (Law of Divorce), on elevation to the County Court Bench; Dr. R. P. Harbord (Anæsthetics), on appt. as Reader in Anæsthetics, Leeds Univ.; Dr. H. Holden (Physiol.), on appt. as Asst. Radio-therapist, Northampton Gen. Hosp.; Prof. W. G. Holford (Civic Design), on appt. to Chair, Univ. Coll., London; Sr. A. H. d'Aroujo Howorth (Portuguese), on returning to Portugal; Mr. A. R. Humphreys (Eng. Lit.), on appt. to Chair of Eng. Lit., Leicester; Mr. E. Keller (German), on returning to Switzerland; Dr. J. B. Lynch (Anat.); Prof. T. P. McMurray (Orth. Surg.), on lapse of Hosp. appt.; Dr. J. C. P. Miller (Appl. Maths.), on appt. to a Directorship, Scientific Computing Service; Miss Susan Mills (Vet.); Dr. R. J. Minnitt (Anæsthetics), on resuming private practice; Dr. Margaret M. Moffat (French), on marriage; Mr. D. J. Morgan (Econ.), on appt. at London School of Economics; Dr. E. W. Parry (Physiol.), on taking up course at Brit. Post-grad. School of Medicine, London; Prof. F. Coles Phillips (Geol.), on account of health reasons; Dr. A. G. Rickards (Path.), on appt. to a post at Lancaster; Dr. T. L. Schofield (Anat.), on appt. as Surg. Registrar, Royal Liverpool United Hospital; Mr. C. H. Stewart (Asst. Registrar), on appt. as Secy., Edinburgh Univ.; Dr. G. W. Storey (Path.), on taking up service in the Forces; Dr. L. F. Tinckler (Anat.), on taking up service in the Forces; Mr. J. E. Tolson (Sr. Asst. Librarian), on appt. as Sub-Librarian, Sheffield Univ.; Mr. K. Unsworth (Vet. Parasit.), on taking up research work in South Africa; Dr. A. G. Walker (Differential Geom.), on appt. to Chair of Maths., Sheffield Univ.; Dr. T. A. Watson (Radiotherapy); Dr. J. H. D. Wetherell (Anat.), on appt. under Rehabilitation Scheme.

DEATHS. Emeritus Prof. E. C. C. Baly (Grant Prof. of Inorg. Chem., 1910-1937); Major J. J. Clark (Lectr. in Engin. Design and Drawing); Rev. H. Flenley (former Chairman of Convocation); Sir Sydney Jones (former Pro-Chancellor and generous benefactor); Emeritus Prof. R. Newstead (Dutton Prof. of Entomology, 1911-24); Mr. J. Okill (formerly Lectr. in Mech. Engin.); Emeritus Prof. W. Ramsden (Johnston Prof. of Biochem., 1914-30); Assoc. Prof. W. H. Roberts (Assoc. Prof. of Public Health and City Analyst); Emeritus Prof. P. M. Roxby (John Rankin Prof. of Geog., 1917-44); Dr. J. E. Turner (formerly Reader in Philos.); Mr. J. A. Woods (formerly Lectr. in Clin. Surg. and Chairman of Convocation).

HONORARY DEGREES. *LL.D.*—Sir Adrian Boult, Conductor, B.B.C. Symphony Orchestra; Sir James Chadwick, Lyon Jones Prof. of Physics, Liverpool Univ.; the Rt. Hon. Sir David Maxwell Fyfe, Major and Deputy Judge Advocate; Mr. Allan Jeans, Vice-Chairman and Managing Director, Liverpool Daily Post and Echo; Sir Malcolm Sargent, Conductor-in-chief, Royal Choral Society; Mr. D. J. Sloss, Vice-Chancellor, Hong Kong Univ.; the Rt. Hon. George Tomlinson, Minister of Education. *Litt.D.*—Mr. E. M. Forster, writer.

DEGREES OBTAINED. B.A. Hons. in Special Studies, 45; B.A. Hons. in General Studies, 2; B.A. Special Studies, 1; B.A. General Studies, 67; B.A. (War Service), 4; M.A., 15; B.Arch. Hons., 14; B.Arch. Ord., 8; B.Com. Ord., 3; B.Com. (War Service), 1; LL.B. Hons., 13; LL.B. Ord., 2; LL.B. (War Service), 16; LL.M., 7; B.Sc. Hons., 58; B.Sc. Ord., 71; B.Sc. (War Service), 1; M.Sc., 10; Ph.D. Sci., 2; D.Sc., 2; B.Eng. Hons., 27; B.Eng. Ord., 27; B.Eng. (War Service), 1; M.Eng., 29; M.B. Ch.B. Hons., 3; M.B. Ch.B. Ord., 63; M.Ch. Orth., 10; M.D., 5; B.D.S. Hons., 1; B.D.S. Ord., 2; B.V.Sc. Ord., 5; M.V.Sc., 1.

STUDENTS. Full-time: 2780, including 291 graduates; part-time: 496, including 288 graduates.

UNIVERSITY OF LONDON

Founded 1836

The Senate House, London, W.C.1.

Telegraphic address : University, London.

Telephone : Museum 8000.

VISITOR—H.M. THE KING IN COUNCIL.

CHANCELLOR—The Rt. Hon. THE EARL OF ATHLONE, K.G., G.C.B., G.C.M.G., G.C.V.O., D.S.O., LL.D., D.C.L., F.R.S., P.C.

Wales (to 31.8.48). Prof. LILLIAN M. PENSON, Ph.D. (from 1.9.48).

VICE-CHANCELLOR—Prof. D. HUGHES PARRY, LL.M., M.A. Camb., B.A.

CHAIRMAN OF CONVOCATION—Rev. Canon J. A. DOUGLAS, D.D., Ph.D.

CHAIRMAN OF THE COURT—Sir GEORGE BARSTOW, K.C.B., LL.D.

PRINCIPAL—D. W. LOGAN, D.Phil Ox.

CLERK OF THE COURT—W. D. HOGARTH, O.B.E., M.A. Ox.

SECRETARY TO THE SENATE—J. HOOD PHILLIPS, M.A. Ox.

ACADEMIC REGISTRAR—J. HENDERSON, M.A., B.Sc. Edin., Ph.D.

EXTERNAL REGISTRAR—T. S. J. ANDERSON, C.B.E., M.A. Dub.

DIRECTOR OF DEPARTMENT OF EXTRA-MURAL STUDIES—ARTHUR CLOW FORD, M.B.E., B.A.

SECRETARY TO THE MATRICULATION AND SCHOOL EXAMINATIONS COUNCIL—J. G. JENKINS, M.A., B.C.L. Ox.

SUPERINTENDENT OF EXAMINATIONS—R. B. P. WALLACE, B.A., LL.B. Camb.

GOLDSMITHS' LIBRARIAN—J. H. P. PAFFORD, M.A.

MAINTENANCE OFFICER—J. H. JAMES.

REPRESENTATIVE IN PARLIAMENT—See p. 20.

The several Incorporated Institutions, Departments and Schools of the University, together with other Institutions having Recognized Teachers, are referred to on pp. 159-249 below.

University teaching is organized under 3 categories: (1) conducted by the Univ. itself; (2) conducted by the several "Schools of the Univ."; (3) conducted at the other Institutions at which there are "Recognized Teachers of the Univ." For explanation of these terms, see below.

GENERAL INFORMATION

The University authorities desire that it should be clearly understood that they can accept no responsibility for any information concerning exams. or procedure except such as is contained in their own official Regns. These can always be obtained on application at the Univ. offices.

The Univ. was constituted by Royal Charter in 1836 as a body empowered to grant degrees to students of approved institutions after examination, and, until 1900, its work was confined to the examination of students. The system whereby entrance to its examns. was restricted to students of certain affiliated Colleges was abolished, except for examns. in Medicine, in 1858. In 1878 its degrees were thrown open to women, London being the first of the Univs. of Great Britain to adopt this policy.

In 1900 the Univ. was reconstituted so as to strengthen the ties between it and the institutions engaged in Higher Education within a radius of 30 miles. The Senate was empowered to admit as *Schools of the University* institutions situated within the administrative county of London and not carried on for the private gain or profit of the owners which provide education of Univ. standard, and required to obtain reports at prescribed intervals on the efficiency of such schools. A special form of recognition could be given to an institution within the same area founded for research or the cultivation of any special branch of science or learning, and the Lister Institute of Preventive Medicine, the Maudsley Hospital, the School of Pharmacy and the School of Oriental and African Studies have been admitted in this category.

The two original Colleges of the Univ. have been incorporated in it, the University Coll. in 1905 and King's Coll. in 1908, the Senate taking over the responsibility for their administration.

Further changes in the constitution of the Univ. were made by the Statutes under the University of London Act of 1926. These Statutes came into force in March 1929. The most important change was the creation of a new body known as the Court, which is responsible for the finances of the Univ.

COURT. Under the Statutes, the Court has the custody, control and disposition of all the property, funds and investments of the Univ. and controls its finances. One of its most important duties is to distribute among the Schools the grants received for the purpose from the Government, the London County Council and other bodies. Prior to the reconstitution the Government grant had been allocated to Schools by the University Grants Committee.

The Court is also responsible for the development of the Bloomsbury site and the Buildings.

SENATE. Under the Statutes the Senate is the supreme governing and executive body of the Univ. in all academic matters. It has power to recognize as Teachers of the Univ. any members of the teaching staff of public educational institutions, whether Schools of the Univ. or not. Matriculated students of Schools of the Univ. or studying under such *Recognized Teachers* are eligible under certain conditions for registration as *Internal Students*, and are allowed, after pursuing Approved Courses of Study, to enter for the "Internal" examns. of the Univ. *External Students* may pursue their studies where and how they please, and are admitted, without any conditions as to attendance at Approved Courses but after a specified period of Registration, to examns. for degrees in all subjects except Medicine, Pharmacy, Mining, Engineering and Architecture. The examns. for Internal and External students are in some cases separate, in others identical.

LIBRARIES. The libraries belonging to the Univ. of London contain in the aggregate c. 834,000 vols. and pamphlets distributed in three chief centres, as follows: (1) *The University Library* (over 438,000 vols. and pamphlets), which provides a free lending library for students and well-equipped research libraries for postgraduate students, incl. the Goldsmiths' Library of Econ. Literature, foremost, on the historical side, among the econ. libraries of the country (c. 60,000 vols. and pamphlets), and the Durning-

Lawrence Library containing an important collection of books by and about Sir Francis Bacon and a good working library on Shakespeare, including the four folios. The Library contains also a Periodicals Room, receiving over 1500 periodicals, and a Music Library comprising scores and books on music, a pianola, gramophones, and collections of records and pianola rolls. (2) *Univ. Coll.*, Gower Street (c. 400,000 vols. and pamphlets), incl. the General Library, a series of separate "seminar" libraries (known as the Arts Libraries), the Science Library, the Med. Sciences Library and the Law Library. (3) *King's Coll.*, Strand (c. 96,000 vols. and pamphlets), incl. a general library and several special collections. The libraries of the Institute of Historical Research, the Courtauld Institute, the Warburg Institute, the Francis Galton Laboratory, the Commerce Degree Bureau, and a small students' library at Goldsmiths' Coll., New Cross, are also the property of the Univ.

There are also important specialized and general libraries belonging to the Schools and Institns. of the Univ., incl. those of the Med. Schools, the London School of Hygiene and Trop. Medicine, the School of Oriental and African Studies, and the London School of Economics.

Full particulars of these libraries above are included in R. A. Rye: *Students' Guide to the Libraries of London* (v. *infra*—Publications).

MUSEUMS. Among the many Museums which, in addition to those belonging to the Schools and Institns. of the Univ., are accessible to students in London are the British Museum (Antiq. and Nat. Hist.); Horniman (Anthrop. and Zool.); London; Parkes (Sanitary Science); Practical Geol.; Roy. Archit. Soc.'s; Roy. Coll. of Surgeons'; Science, S. Kensington (Mech., Nav., and Struct. Engin., Phys., Maths., Chem., Physiog., Geol. and Biol.); Sir John Soane's (Art and Antiquarian); Victoria and Albert, S. Kensington (Archit. and Sculpture, etc.).

LABORATORIES See under the several Colleges.

FACULTIES AND DEANS. Theology, Rev. Prof. S. Cave (New Coll.). Arts, Prof. F. Norman (King's Coll.). Laws, Prof. H. Potter (King's Coll.). Music, Dr. G. Oldroyd (Trinity Coll. of Music). Medicine, Mr. J. B. Hunter (King's Coll. Hospl.). Science, Dr. O. L. Brady (Univ. Coll.). Engineering, Prof. R. O. Kapp (Univ. Coll.) Economics and Political Science, Prof. F. A. Hayek (Lond. Sch. of Econ.).

COMMITTEES OF THE SENATE. The five standing Committees are—The Academic Council, the Council for External Students, the Collegiate Council, the University Extension and Tutorial Classes Council and the Matricn. and School Examinations Council. There are about 35 other Committees, besides the 51 Boards of Studies.

TERMS for Univ. and Inter-collegiate courses, 1947-48: Oct. 8-Dec. 17; Jan. 14-March 24, April 21-June 30.

DEGREES. B.D., M.Th., D.D.; B.A., M.A., D.Lit.; LL.B., LL.M., LL.D.; B.Mus., D.Mus.; M.B., B.S., M.D., M.S.; B.D.S.; B.Pharm.; B.Sc., M.Sc., D.Sc.; B.Com., M.Com.; Ph.D. (in all Faculties).

The B.Sc. and D.Sc. are granted in the Faculties of Science (including Agric., Hortic., Vet. Sc., and, for Internal students, Household and Social Science—B.Sc. only), Engineering, and Economics (including Estate Management); the M.Sc. in Science (including Agric., Hortic., Vet. Sc., and, for Internal students, Household and Social Science), Engineering, and Economics (including Estate Management).

ADMISSION. See Appendix I.

EXTERNAL students preparing for the Bachelorship undergo Intermediate and Final examns. at intervals prescribed in the Regns., and approximating (except in Med., Dental Surgery and Vet. Sc.) to 3 yrs. in all. All External students (except, for the present, those overseas) are required to register for each examn., and all must previously have matriculated. Copies of all Regns. may be obtained gratis and post free from the External Registrar.

An External student who has been absent through illness from part of the Final examn. for a First Degree may apply to the Univ. for an Aegrotat Degree.

EXTERNAL EXAMINATIONS OVERSEAS. Certain of the examns. of the Univ. for External students are held not only in London and at Provincial centres within Great Britain, but also at centres in the Dominions and Colonies and in some foreign countries. In India, only the examns. in the Faculty of Theol. are held for civilians; but other examns. may be held for military personnel. The Matricn. examn. and the examns. in Theol., in Arts, in Laws, and in Economics have been held at about 150 overseas centres. The Univ. Examns. in Science have also been held under special arrangements at 25 overseas centres.

An INTERNAL student before being allowed to enter as such for any examn. must, unless specially exempted, have attended Instruction courses in all the subjects thereof. For a first degree in any Faculty he must have completed an Approved Course of Study extending over at least 3 yrs. which must, ordinarily, have been continuously pursued, but not necessarily all at one institution. A minimum number of hours of attendance is as a rule prescribed for each course, and a reduction is allowed in the case of an evening student who is certified by an employer to be engaged in his service for not less than 25 hours a week. The Intern. course generally extends over 1 yr. As a general rule, Hons. may be taken at the Final examns. A course of study extending over not more than 1 yr. taken in another Univ. approved for the purpose subsequently to a student's passing the Intern. may be accepted subject to regns. in lieu of a course taken in this Univ.

An Internal student who has been absent through illness from part of the Final examn. for a First Degree may apply to the Univ. for an Aegrotat Degree.

Any person who has passed the Intern. examn. as an *External* student may be allowed to take the Final examn. for the first degree after having attended for 2 yrs. as an Internal student an approved course of study for it, but the degree is not conferred till after a further yr.'s course of approved study.

The following is a brief summary of the Regulations. There are many exceptions and exemptions in regard to which reference should be made to the *Regulations* published by the University.

ARTS. In the Intern. examn. 3 subjects must be taken including 2 langs., of which one must be Latin or Greek. Natives of Asia or Africa may apply for permission to substitute for Latin or Greek—Classical Arabic, Classical Armenian, Classical Persian, Sanskrit, Pali, Classical Hebrew or Classical Chinese. In the Final examn. for the B.A. (General) Degree 3 subjects must be taken. The B.A. Honours Degree may be taken in any of the following branches: Classical Chinese, Classics, Greek, Latin, Hebrew and Aramaic (including Syriac), Hist., Geog., Maths., Philos., Psychol., Sociol., Hist. of Art, English, French, German, Italian, Portuguese, Spanish, Slavonic Studies, Indo-Aryan, Modern Chinese, Modern Japanese, Malay, Sinhalese, Tamil, Turkish, Arabic, Persian, Japanese, also Celtic for External students, and, for Internal students, Dutch, Scandinavian Langs., Bengali, Burmese, Gujarati, Hindi, Marathi, Urdu, Anthropol.

The B.A. course in Archit. for Internal students extends over 5 yrs., but

graduates of approved Univs. may be exempted from such part of the earlier yrs.' courses of study and examns. as the Senate may determine

The M.A. is conferred in Archæol., Class. Hist., Maths., Mediæval and Mod. Langs., Oriental Langs., Philos., Educn., Geog. and, for Internal students only, in Anthropol., Comp. Philol., Modern Greek, Hist. of Art, Psychol., Slavonic Studies and Sociology. Internal students are required (except in Maths.) to submit a thesis. In some cases candidates must have taken Hons. at the B.A. examn. External students may take the M.A. examn. 2 yrs. after graduation in Arts. Candidates may only take 1 branch or section at a time. In most there is an oral examn.

The D.Lit. is open to M.A.s and Ph.D.s only, and is conferred for original work.

Diplomas. Teacher's, 1 yr. postgraduate (also for External students); Librarianship, 2 yrs. for day students, 3-5 yrs. for evening students; Fine Art, 3 yrs. Academic Diplomas in Town Planning and Civic Archit. or Civic Engin., 2 evenings a week for 2 terms or 1 day a week for 3 terms; Archive Admin., 1 yr. for whole-time students or 3-5 yrs. for part-time students; Hist. of Art, 1 yr. postgraduate; Geography, 2 yrs. (also for External students); Slavonic and East European Studies, 2 yrs.; Academic Postgraduate Dips. in Archæol., Comparative Philol., Military Studies, Phonetics, Psychol. and Anthropol., 2 yrs. For Diplomas in the Humanities, v. University Extension, *infra*.

SCIENCE. For the Intern. examn. Pure or Applied Maths. or Physics or Chemistry must be taken with 2 other subjects. For Final (General) examn. any 3 of the following may be selected: Pure Maths., App. Maths., Astron., Physics, Chem., Geol., Bot., Zool., Physiol., Psych., Anthropol., Milit. Studies, Geog., Human Anat. and Morph., and Logic and Method (Ext. students), Statistics (Int. students). For B.Sc. (Special) examn. a student selects 1 principal and (except in case of Human Anat. and Morphol. or Maths.) 1 subsidiary subject or two or more ancillary subjects. Honours may be awarded at both B.Sc. (General) and B.Sc. (Special) examn. For the M.Sc. for Internal students a thesis may be submitted or a written examn. may be taken.

For the Degree in Agric. the Intern. examn. includes Chem., Bot., Zool. and one alternative subject; the Final is in 2 parts, Pt. I. including Sciences in relation to Agriculture and Pt. II. Professional subjects. In Horticulture the subjects for the Intern. are Chem., Bot., Zool., Geol. or Applied Physics, and Garden Operations; for the Final, Pt. I. Principles of Hortic., Pt. II. Practice of Hortic. For the Degree in Vet. Sc. there are 4 examns. to be taken in their proper order. Bachelors of Science (Agric. or Vet. Sc.) are held to be eligible for the ordinary D.Sc. For the Degree in Household and Social Science there are 3 examns.: 1st Intern. (Phys., Inorg. Chem., Biol., and Social and Econ. Hist.); 2nd (Chem.—Org. and Phys., Gen. and Econ. Biol., Principles of Econ.); and Final (App. Chem., Physiol. and Biochem., Hygiene and Bacteriol., and Household Work).

Diplomas. Academic Postgraduate Dip. in Bacteriology, 1 yr.; External Dip. in Biology, 1 yr.

THEOLOGY. The Intern. course is in New Testament Greek, and 4 of the following: Classical Greek, Elementary Hebrew, Latin, Ancient Hist., General Ethics, Ethics (set book), General Psychology, Psychology of Religion; the Final in Old Test., New Test., Bibl. and Hist. Theol., Church Hist., Philos. Introd. to Theol., and a selected subject. The M.Th. Examn. is open to those who have obtained Honours at the B.D. examn. or who have obtained a Pass at the B.D. examn. and have passed a further qualifying examn. Any one of the following subjects may be offered:—Hebrew and Aramaic, including Syriac;

Greek New Test. and Apocrypha; Church Hist.; Biblical and Historical Theol.; the Study of Religion.

Candidates for the D.D. Degree must have obtained the B.D. Degree and have passed the M.Th. Examn. and must submit original work.

Diplomas. Academic Dip. in Theol., 2 yrs. (also for External students).

LAW. The subjects of the Interm. course are Rom. Private Law, Const. Law, Engl. Legal System, Elements of Law of Contract. The LL.B. Examn. is in two parts and candidates must normally pass Part I. before entering for Part II. Part I. consists of 4 papers. Part II. consists of a paper on Jurisprudence and Legal Theory and 3 papers chosen from a list of 15 alternative subjects. Candidates for the LL.M. may either be examined by six papers or submit a dissertation and be examined by three papers. Candidates for the LL.D. must hold the LL.M. or the Ph.D. degree in the Faculty of Laws.

MEDICINE. The course extends normally over 5½ yrs. In the first yr. courses in Inorg. Chem., Phys. and Genl. Biol. in preparation for the 1st examn. for Med. degrees are taken. The 2nd and 3rd yrs. are devoted to Hum. Anat., Physiol. and Pharmacol. The 2nd examn. is normally taken 18 mos. after passing the 1st. The Final course for the M.B., B.S. degrees falls into 3 Parts as follows: Part I.—Pathology, Hygiene and Forensic Medicine; Part II.—Medicine, Applied Pharmacology and Therapeutics; Part III.—Surg., and Obstetrics and Gynaecology. The Parts may be taken separately or together, but degrees are not conferred until candidates have passed in all Parts.

Institutions outside the U.K. and Irish Free State, certificates from which for the complete course of Med. educn., including Clin. Med. and Surg. preparatory to the M.B., B.S. degrees for External students, are accepted by the Univ. of London: Univs. of Dalhousie, McGill, Adel. (with Infirmary), Melb. (with Melb. and Alfred Hospls.), Syd. (with Infirmary and Prince Alfred Hospl.), N.Z. (with Dunedin Hospl.); following Indian Med. Colleges—Grant (Bombay), Seth Gordhandas Sunderdas (Bombay), Bengal (Calcutta), Lahore, Madras; Med. Coll., Colombo; Univ. of Malta; Sch. of Med., Cairo.

The M.D. may be taken in any of the following: Med., Path., Psych. Med., Midw. and Dis. of Women, Hygiene, Trop. Med.

The M.S. may be taken in Surg., Dent. Surg., Ophth., or Larynx, Ot., and Rhin.

For the M.D. or M.S. a thesis or published work may be submitted in place of part of the examination.

The course for the B.D.S. extends normally over 5 yrs.—there are 4 examns. The subjects of the Final examn. are Med., Surg., Pharm. and Mat. Med., Pathol. and Bacteriol., Dental Surg. and Orthodontics.

B.Pharm. The Final Examination is in two Parts. Pt. I. is taken at the end of the 2nd yr.'s course, and includes Pharmaceutics, Pharm. Chem., Pharmacognosy, and Pharmacology. Pt. II. is taken at the end of the 3rd yr.'s course, and consists of any 2 of the following:—Pharm. Chem., Pharmacognosy, Pharmacology, Genl. Pharmaceutics or Pharm. Engineering.

Diplomas. Academic Postgraduate Diplomas in Clinical Path. (also for External students), Public Health (also for External students), 1 yr.; in Dietetics, 2 terms and 6 mos.' practical work; in Medical Radiology, 2 yrs. For Postgraduate Diploma in Psychological Medicine and Diploma in Nursing, v. University Extension *infra*.

MUSIC. The subjects for the Interm. examn. are Harmony and Counterpoint, Form and Analysis, and Hist. of Mus. For the B.Mus. examn.: Harmony and Compn., Counterpoint and Canon, Fugue, Hist. of Music, Musical Analysis, Musical Exercise. Candidates for the B.Mus. must submit

a musical exercise. For the D.Mus. there is a written examn. and a musical exercise.

ENGINEERING. Candidates must pass the Intern. examn. in Science in Pure Maths., Applied Maths., Physics and Chemistry. The Final examn. in *Engin.* is in two parts, Pt. I. including 5 compulsory subjects and Pt. II. at least 4 subjects chosen from a list of 11. In *Metal.* and *Mining* the Final examn. is divided into 2 parts, with 5 subjects in each part. In Chem. Eng. the Final examn. is divided into 2 parts and candidates must pass Pt. I. before they may enter for Pt. II.

ECONOMICS. The Intern. examn. for B.Sc. (Econ.) is in 2 parts, which may be taken together or on different occasions. Pt. I.—Elements of Econ., Geog., Maths. or Logic or French or German. Pt. II.—English Econ. Hist., British Constitution. For the Final—Econ., two alternative subjects, an essay, translation from two languages and a selected subject.

For the B.Com. the Intern. examn. is in 2 parts, which may be taken together or on different occasions. Pt. I.—Elements of Econ., Geog., a modern foreign lang. Pt. II.—English Econ. Hist., Elem. Statistical Method and Accounting. The subjects of the B.Com. examn. are Economics, Elements of Comml. Law, a foreign language and a selected group of subjects.

For the Degree in Estate Management there are 2 examns., Intern. and Final. Intern.: Pt. I.—Surveying, Econ., and Agric. or Town Planning; Pt. II.—Accounting and Land Law. (Pts. I. and II. may be taken separately.) Final. Pt. I.—Land and Buildings Valuation, Taxation and Tithe, Land Law; Pt. II.—Building Constrn., and *either* A (Agric., Forestry, Agric. Law) *or* B (Town Planning, Urban Pub. Sanitation, Munic. and Local Govt. Law). (Pts. I. and II. may be taken separately.)

Diplomas. Academic Dip. in Public Administration, normally 2 yrs. (also for External Students).

MILITARY EDUCATION. Military Studies is one of the optional subjects for the Intern. and Final B.A. and B.Sc. (General) examns. An Academic Dip. in Military Studies is awarded.

AIR SQUADRON. The Univ. of London Air Squadron was founded in 1935 by the Air Ministry with the assistance of the Univ. Authorities. Its main object is to promote a serious interest in flying and its allied subjects. Applications for membership should be addressed to the Chief Instructor, U. of L. Air Squadron, Exhibition Rd., London, S.W.7.

POSTGRADUATE STUDY AND RESEARCH. In most of the Colleges and Schools of the Univ. special arrangements are made for Research students, and the facilities offered are not restricted to Internal graduates of the Univ. External graduates and graduates of, and persons who have passed the degree examns. of, other approved Univs. are allowed, under certain conditions, to enter as Internal students for the degree of Bachelor or of Ph.D. in the several Faculties, and for the degree of M.Th., M.A., LL.M. or M.Sc. Every candidate must submit evidence of graduation, etc., together with a certificate from the authorities of the College, School or Institution at which he proposes to study, stating that the student is, in their opinion, a fit person to undertake the proposed course of study and research, and that they are willing to supervise his work. An Oversea student may himself submit an application on the prescribed form, and the Univ. will, if so requested, advise as to the selection of the College, School or Institution at which, and Teacher under whom, he should study. Application for such advice should be addressed to the Academic Registrar. Oversea students should apply for registration before coming to

London, and their applications should reach the Univ. by May 1, or, if from Australia or New Zealand, March 1, to enable them, should their applications be successful, to enter upon their course of study in Oct., *i.e.* at the beginning of the session. Students whose applications are approved are required to pursue a course extending over at least 2 yrs.

An Internal student who is a candidate for the Ph.D. degree must have graduated in the Univ. or have been registered as a candidate for the degree after passing approved examns. for a degree in another Univ. An Internal student is further required to pursue a course of study of not less than 2 yrs.' full-time, or 4 yrs.' part-time, training in research and research methods. Any graduate of the Univ. may become a candidate for the Ph.D. degree in his first degree Faculty as an External student on receiving the approval of the Council for External students.

FEES. Matricn.—2½ gs.; Examn. and Graduation—12 gs. (Med., 29 gs.) for first Degree. Other Degree fees, 10 to 20 gs. Tuition, *see* the sections relating to the several colleges.

STUDENTSHIPS AND SCHOLARSHIPS. Studentships are awarded by the Senate in aid of advanced work or research. These include one of £130 p.a. for 1 yr., open to students of Univ. Coll. in Maths.; £100 and £140 in Arts; £60 in Econ.; £200 for the man or woman who, being resident in London and a graduate of the Univ., has done most in the preceding 5 yrs. to advance Medical Art or Science; £200 for a graduate of a British Univ. for the promotion of postgraduate research; a number of *Travelling Studentships*, value decided individually, and 20 Univ. Studentships of £250 each, open to Internal and External graduates in all faculties; *Duveen Travelling Studentship* of £550 for research in Oto-Rhino-Laryngology. Three Scholarships of £50 each for 1 yr. are awarded annually for proficiency in Oriental Langs. The Scholarships Pamphlet, obtainable post free on application to the Univ., gives details of many others.

ADVISORY SERVICE FOR EXTERNAL STUDENTS. Any External Student who is duly registered for an external examn. and experiences any difficulty in connexion with the appropriate studies may apply to the External Registrar for guidance. Such guidance may take the form of detailed schemes of study or personal discussion with an Adviser. For preliminary consideration there is no fee, but for detailed study scheme a fee of 1 to 5 guineas is charged.

THE COMMERCE DEGREE BUREAU exists to help in their studies External (especially extra-London) students proposing to take the Commerce Degree examns., to assist in the employment of Commerce Degree students and graduates at home and abroad, to provide a reference and lending library for students, and generally to promote the value and usefulness of the Commerce degree. The Bureau is administered by a Board of Governors. Prospectus and enquiry forms obtainable on application to the Secretary, Senate House, W.C.1.

THE UNIVERSITY APPOINTMENTS BOARD exists to obtain appointments for graduates. Secretary, L. E. Ball, O.B.E., B.Sc., Senate House, W.C.1.

RESIDENCE. Hostels recognized by the Senate: Canterbury Hall, Cartwright Gardens, W.C.1, for 200 women students; Connaught Hall of Residence, 16-20 Torrington Square, W.C.1, for 60 men students; College Hall, Malet Street, W.C.1, for 130 women students; King's Coll. Theological Hostel, 71 Vincent Square, S.W.1, for 75 men students; The Platanes, Denmark Hill, S.E.5, for 50 men students from King's Coll. and its Med. School; Bayswater Hall, 46-47 Kensington Gdns. Sq., W.2, for 36 Indian students (men).

Residence is also provided at or in connexion with Wye Coll., Bart.'s, Guy's, Middlesex and St. Thomas' Hospl. Med. Schools, the Theol. Colls. and the Women's Colleges. London House, Guilford Street, W.C.1, provides accommodation for 120 Dominion and British men students; in addition Foundation House holds 12 married couples.

LODGINGS BUREAU, 28 Woburn Square, W.C.1. Enquiries to be addressed to the Lodgings Officer.

THE UNIVERSITY UNION was founded in March 1921 on the lines of those of Oxford and Cambridge. Address—University Union, 30 and 31 Woburn Sq., W.C.1. The University Athletic Ground is at Motpur Park, Surrey, and the University Boat-House at Hartington Road, Chiswick.

UNIVERSITY EXTENSION. The work of the University Extension and Tutorial Classes Council may be considered to fall under the following heads: (a) Univ. Extension Lectures; (b) Tutorial Classes, (c) Holiday Courses for Foreign Students; (d) Examn. for the Certif. of Proficiency in Religious Knowledge; (e) Examns. for Certificates of Proficiency in English; (f) Examns. for Certifs. of Proficiency in Czech, Danish, Dutch, French, German, Italian, Norwegian, Polish, Russian, Serbo-Croat, Spanish and Swedish; (g) Examn. for Certif. of Proficiency in Diction and Drama; (h) Examn. for Certif. of Proficiency in Natural History; (i) Examns. for Diplomas in Hist., Lit., Econ., Social Studies, Hist. of Art, Biblical and Religious Studies, and International Affairs; (j) Examn. for Postgrad. Diploma in Psychological Med.; (k) Examn. for Diploma in Dramatic Art; (l) Examns. for Diploma in Nursing and Sister-Tutor's Diploma; (m) Examn. for Diploma in Theory and Practice of Phys. Educn.; (n) Examn. for Diploma in Theology; (o) Examn. for Diploma in Public Administration.

(a) *Univ. Extension Lectures* have been carried on by the Univ. since 1902 (prior to that, 1876-1902, by the London Society for the Extension of Univ. Teaching). Courses are held, at approved centres, on Hist., Lit., Econ., Social Studies, Study of the Bible, Philos., Psychol., Painting, Architecture, Nat. Sc., Music, International Affairs, Public Administration, Central and Local Govt. A discussion class is held in connexion with each lecture, and students are encouraged to do regular written work for the lectr. An examn. for certifs. may be held at the end of each Sessional (24 or 25 lectures) or Terminal (10 or 12 lectures) course. A few short courses (5 or 6 lectures) of a *pioneer* or illustrative kind are arranged; in connexion with these there is no examn. Continuous study over several years is encouraged by the *Diplomas in the Humanities* (Hist., Lit., Econ., Social Studies, Hist. of Art, Biblical and Religious Studies, Internat. Affairs), awarded, under the Seal of the Univ., to students who carry on an approved co-ordinated course of study usually covering 4 yrs., and pass the required examns.

(b) *Tutorial Classes* have been provided since the Workers' Educational Association (formed in 1903 to meet the varied educational needs of working men and women) established in 1909 a close and harmonious relation with the University. They extend over three consecutive years usually with a maximum membership of 24 students. Sessional Classes and Advanced Classes lasting one session are also provided. The subjects studied are those for which a demand has been expressed by intending students, and in the formation of syllabuses the wishes of the students are taken into account. There are no examinations but all students undertake to do written work on subjects periodically arranged with the tutor to suit individual needs. In the class the tutorial method of exposition and discussion is followed. The subjects pro-

vided include Art, Econ., Hist., Internat. Affairs, Literature, Music, Philos., Politics, and Psychol.

An annual Residential Summer School is held for class members.

(c) *A Holiday Course in English for Foreign Students* is held annually. Special stress is laid upon Phonetic teaching. The course is designed to widen the students' knowledge not only of the Engl. Lang., but of English customs, instutns. and art, by means of lectures, classes, excursions, etc. The total number of students admitted to the course is limited at present to about 200, and the number in each class to 8. In 1947 the course was attended by 201 students from 24 countries.

(d) *The Examination for the Certificate of Proficiency in Religious Knowledge* is held once a year in June. It may be held at certain of the centres in the Provinces, Dominions and Colonies at which the June Matricn. examn. is appointed to be held, as well as in London. Minimum age at entry, 18.

(e) *The Examination for the Certificate of Proficiency in English for Foreign Students* * (for candidates whose mother-tongue is not English) is held in Aug. each year and may be held in Dec. also. It is designed to provide evidence of a practical working knowledge of the English language, written and spoken, and of an elementary knowledge of Phonetics. The min. age at entry, except in special cases, is 20. *The Examination for the Certificate of Proficiency in English for Teachers of Foreign Students* may be held in Aug. each year. It is designed to provide evidence (which may not be guaranteed by a teacher's other certificates) of such a practical working knowledge of the English language, written and spoken, and of such acquaintance with Phonetics, as may be of special value for teaching English to foreign students. Candidates must be qualified teachers, or have been approved as having a sound knowledge of English and as having had appropriate experience in teaching.

(f) *Examinations for Certificates of Proficiency in Czech, Danish, Dutch, French, German, Italian, Norwegian, Polish, Russian, Serbo-Croat, Spanish and Swedish* are held in June or July. They are intended primarily for teachers who are not specialists in, but who require a Certif. testifying to their practical working knowledge of the language, both spoken and written. Minimum age at entry, except in special cases, 20.

(g) *The Examination for the Certificate of Proficiency in Diction and Drama* is held once a year, in July, and is open to teachers and to others specially approved, who have taken a one-yr. course at Training Schools or Institutions approved for the third-yr. course for the Diploma in Dramatic Art, with concurrent attachment to a Training College or Univ. Training Department.

(h) *The Examination for the Certificate of Proficiency in Natural History* is held once a year, in Aug., and is open to teachers who have followed a special scheme of study, involving a directed course of reading, attendance at a Practical Course, field-work and essay.

(i) *The Examinations for the Diplomas in History*—General Hist. or Modern Hist.; *Literature*—English Lang. and Lit. or General Lit.; *Economics, Social Studies; History of Art; Biblical and Religious Studies; and International Affairs*—are held once a year for students who have followed a recognized course of study for 4 yrs. as part-time students, or in special cases for a shorter period.

(j) *The Examn. for the Postgraduate Diploma in Psychological Medicine*

* The Cambridge Local Examinations Syndicate also awards a Certificate of Proficiency in English, v. p. 84.

is held twice a year, in March and April and in Oct. and Nov., and is open to candidates whose names are in the Medical Register or who are registrable therein, and who have had the required clinical experience. There are two forms of this Dip., for those desiring to specialize (i.) in Mental diseases (Psychiatry), and (ii.) in Mental Deficiency.

(k) *The Examn. for the Diploma in Dramatic Art* is held once a year, in July, and is open to students whose general education satisfies the Council and who have studied at least 2 yrs., after attaining the age of 17 yrs., at Training Schools or Institutions where courses have been approved.

(l) *The Examn. for the Diploma in Nursing* is held once a year, in Oct. and Nov., and is open to Registered Nurses (or Nurses eligible to sit for the prescribed examn. for registration) whose general education satisfies the Council, subject to certain specified conditions with regard to Part B of the Examn. *The Examn. for the Sister-Tutor's Diploma* is held once a year, in July, and is open to Registered Nurses whose nursing experience and general education satisfies the Council and who have studied for at least 1 yr. at training institutions where courses have been approved.

(m) *Examns. for the Diploma in the Theory and Practice of Physical Education* are held—Part I. twice a yr., in June and Dec., Part II. once a yr., in May, open to students whose general education satisfies the Council and who, after completing their 18th yr., have studied at least 2 yrs. before Part I and 3 yrs. before Part II. at Physical Training Colleges where courses have been approved.

(n) *Examn. for the Diploma in Theology* is held once a year, in June, and is open to students over 19 whose general education satisfies the Council.

(o) *Examn. for the Diploma in Public Administration* is held once a year, in June, and is open to students not less than 18 yrs. of age whose general education satisfies the Council and who have held for at least 2 yrs. an approved appt. in a recognized Public Office.

[Further information and copies of the Regns. may be obtained from the Director of the Department of Extra-mural Studies, University of London, Senate House, W.C.1.]

SCHOOL EXAMINATIONS. The *Examinations for School Certificates* are held only in Schools inspected by the Univ. or under approved inspection. See App. I.

The *Higher and General School Examinations* are recognized by the Ministry of Education as "Second" and "First" examns. respectively (v. App. I.), and the Certifs. awarded to candidates attending schools recognized by the Ministry as efficient Secondary Schools are attested by it.

The University is prepared to hold these Examinations at Schools overseas provided that, in the case of schools in the British Empire or its mandated territories, the application is received through the Government of the Dominion, Colony, etc., or in the case of schools in foreign countries, through H.M. representative.

PUBLICATIONS. The following are obtainable from the University of London (Publications), Senate House, W.C.1 :

The Calendar, 10s. 6d. incl. postage. *Gazette*, pubd. at average intervals of 4 weeks ; single no., 8d., including postage. *Examn. Papers*, published as soon as possible after the several Examns. ; prices vary from 1s. 3d. to 2s. 6d. *Historical Record of the Univ.*, Second Issue, 1836-1926, contains (a) a Hist. of the Univ. ; (b) former Fellows ; (c) Donations and Trusts ; (d) Graduates ; (e) persons to whom prizes, etc., have been awarded ; 5s. net., postage 7d.

Regulations The following may be obtained on application to the Univ. :

Regns. for Matricn.; Regns. for Int. and for Ext Students (pubd. separately) for Degrees in Arts, Science, Agric., etc.; for the various Diplomas and Certificates in special subjects; for Ph.D. Degree; Scholarships pamphlet; pamphlets of *General Information* for Internal Students and for External Students. Applications for any of these should be addressed to the Principal.

S.T.C. Handbook obtainable from the Secy, London, W.C.1.

THE YEAR 1946-47

BENEFACTIONS. The Rockefeller Foundation are contributing £5500 during the yrs. 1945-50 for research on human heredity in the Galton Lab. at Univ. Coll. The English Electric Co. have undertaken to contribute £2000 p.a. for five years for the establishment at Imperial Coll. of Bursaries in Hydro-Electric Engin. and for the salary of a Lectr. in that subject. The Archaeological Collection of the late Sir Charles Marston has been presented to the Inst. of Archæol. Two bequests to the Univ. by the late Edgar Duncan MacGregor and the late Mrs. Alice Howe, to which a gift from Basil M. Venables, B.Sc. (Eng.), has been added, have made it possible to establish a benevolent fund to be known as the Vice-Chancellor's Discretionary Fund for Students. An offer has been gratefully accepted from Mrs. E. M. Wood to bequeath to the Univ. her collection of over 100 English and American Bibles, together with the sum of £2000 free of duty to provide for an annual Lecture or Lectures on an aspect of the English Bible which is not theologically controversial.

Univ. Library: The Rt. Hon. the Earl of Athlone, Chancellor of the Univ., and H.R.H. Princess Alice have presented a collection of vols., chiefly works of reference, and incl. a copy of Owen Jones' *The Grammar of Ornament*, 1856; a sum of £22 has been received from an anonymous donor for the purchase of books in continuation of former gifts for the founding of a Memorial Library to the late Sir Edwin Deller: the total amount received is £273; from Prof. H. H. Bellott, a number of books, pamphlets and maps, including Virgilius Maro (P.) *Bucolica*, *Georgica et Aeneis*, R. Foulis, Glasgow, *Cambrian Harmony*, by Richard Roberts, and some early educational works; from Mr. Harry Price, about 50 additional vols., and some sets of periodicals for the Harry Price Library of Magical Literature; from Mr. Alban Dobson, additions to the Austin Dobson Library; from Viscountess Snowden, a bound vol. of pamphlets by the late Lord Snowden, with his autograph; from Dr. F. E. Chipp, a collection of about 300 vols. from the Library of his uncle, the late Sir William Job Collins, K.C.V.O., Vice-Chancellor of the Univ., 1907-9 and 1911-12; from the Borough of Hampstead Public Libraries Cttee., a collection of vols., many of the 16th and 17th centuries, from the Library of Prof. Henry Morley. Valuable gifts were also received from: Dr. A. Adams, of Hartford, Connecticut; the Chief of Naval Information, the Admiralty; the Air Ministry; Mr. E. J. Arnould; Dr. Pramathanath Banerjee; Mr. R. G. L. Barrett; the Royal Flemish Academy of Medicine of Belgium; the Librarian, Bergen Museum; Dr. Bircher of the Swiss Legation; Birmingham Public Libraries; the British Aluminium Co.; the British Museum (Natural History); Miss M. Burgess; the Univ. of Cape Town; the Carnegie Endowment for International Peace; Mr. G. A. Carter; Mr. E. F. Chaney; the Chemical Society; the University of Chicago; Miss D. Coates; Mr. J. Daniel; Mr. G. W. Dyson; Ministry of Information, France; Ministry of National Education, France; Sir Douglas T. Garrett; Monsieur Marcel Godet; Dr. St. G. B. Delisle Gray; the Royal Library, the Hague; Dr. Lewis Hanke of the Library of Congress; Mr. W. Hazelton; Historisches Museum, Schloss Thun, Switzerland; the

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NEW BUILDINGS. Since the return of the University administrative staff to the Senate House at the end of 1945, steps have been taken towards repairing the damage caused during the War by air raids and by the occupation of the premises by the Ministry of Information.

NEW POSTS. The following new posts have been instituted during 1946-47: *University Coll.*: Readerships in Biochem., Crystallog., Exper. Physiol., Genetics and Political Econ. *Charing Cross Hosp. Med. Sch.*: Chairs of Anat. and Physiol. *London Hosp. Med. Coll.*: Chair of Surgery; Readerships in Chem. Pathol. and Morbid Anat. *Imperial Coll.*: Chair of Maths.; Readerships in Soil Mechanics, Applied Heat, Mathematical Statistics and Phys. Chem. *Wye College*: Chairs of Agric. and Hortic. *King's Coll.*: Chair of Geog.; Readership in Pure Maths. *Middlesex Hosp. Med. Sch.*: Chair of Surgery; Readerships in Bacteriol., Anat. and Physiol. *Royal Cancer Hosp.*: Chair of Biochem.; Readership in Exper. Pathol. *Sch. of Oriental and African Studies*: Readership in Japanese. *Sch. of Slavonic and East European Studies*: Chair of Comparative Philol. of the Slavonic Langs. *London Sch. of Economics*: Chairs of Economics of Labour, Accounting, and Public Admin.; Readerships in Econs., Agric. Econs., Colonial Econs., Colonial Admin. and Public Finance. *Westfield Coll.*: Readership in German. *King's Coll. of Household and Social Science*: Chair of Chem. *Queen Mary Coll.*: Readership in Civil Engin. *Inst. of Education*: Readership in Psychol. *St. Thomas's Hosp. Med. Sch.*: Chair of Surgery; Readerships in Chem. Pathol., Pathol. *Royal Holloway Coll.*: Readership in History. *St. Bart.'s Hosp. Med. Coll.*: Readership in Medicine. *Inst. of Archaeol.*: Chair of Western Asiatic Archaeol. *Guy's Hosp. Med. Sch.*: Chair of Chem. Pathol.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES, ETC. *Fac. of Theology*: Two lectures on "The Unity of Petrarch's Thought" by Prof. E. Gilson (Paris) at King's Coll.; *Fac. of Arts*: *Anthropology*—Four lectures on "Law and Society" by Prof. A. R. Radcliffe-Brown at the Lond. Sch. of Econ.; *Archæo-*

logy—Three lectures on "The Chronology of the Late Bronze and Early Iron Age in Europe" by Dr. H. Hencken (Harvard), at the Inst. of Archæol.; *Classics*—Three lectures on "Virgil as a Poet of Nature" by Prof. R. A. B. Mynors (Camb.), at the Inst. of Educn.; *Comparative Philology*—Three lectures on "Structural Analysis of Language" by Dr. L. Hjelmslev (Copenhagen), at the Sch. of Oriental and African Studies; *Education*—Three lectures on "Nouvelles Recherches sur l'intelligence de l'enfant" by Prof. J. Piaget (Geneva), at the Inst. of Educn.; *English*—Two lectures on "Two 20th Century Novelists" by Lord David Cecil (Oxford), at King's Coll.; *Germanic Langs. and Literatures*—Three lectures on "The Reception of German Literature in England in the 19th Century" by Prof. W. F. Schirmer (Bonn), at the Senate House; a lecture on "The Philosophy of Friedrich Nietzsche in the Light of our Experience" by Dr. T. Mann, at the Senate House; *History*—Three lectures on "Orientations et méthodes de l'histoire ecclésiastique médiévale" by Prof. A. Flèche (Montpellier), at Univ. Coll.; *Oriental and African Langs. and Literatures*—Two lectures on "China's Discovery of Africa" by Prof. J. J. L. Duyvendak (Leiden), at the Sch. of Oriental and African Studies; *Philosophical Studies*—Three lectures on "Some Problems of Methodology" by Prof. G. H. von Wright (Helsingfors), at Bedford Coll.; *Romance Langs. and Literatures*—Three lectures, (1) "Formation du vocabulaire esthétique français," (2) "François Villon," (3) "Guillaume Apollinaire et les débuts du surréalisme," by Prof. M. Roques (Paris), at the Senate House; two lectures on "España y la novela" by Señor Dámaso Alonso (Madrid), at King's Coll.; *Fac. of Laws*—Lecture on "The Talking Shop" by Sir Alan Herbert, at King's Coll.; lecture on "The Divorce Laws" by Mr. Justice Denning, at King's Coll.; lecture on "Some Forms of Ancient Legislation" by Dr. D. Daube (Camb.), at Univ. Coll.; *Fac. of Medicine: Advanced Med. Studies*—Lecture on "The Study of Antibiosis" by Sir Howard Florey (Oxford), at Westminster Hospl. Med. Sch.; lecture on "The Surgical Treatment of Tumours of the Pancreas" by Prof. C. W. F. Illingworth (Glasgow), at Westminster Hospl. Med. Sch.; two lectures on "The Review of the Dietetic Factors in Liver Disease" by Prof. L. J. Witts (Oxford), at Westminster Hospl. Med. Sch.; *Human Anatomy and Morphology*—Two lectures on (1) "New Anatomical Facts regarding the Renal Circulation," (2) "Endocrine Functions of the Renal Arterioles in regard to Hypertension" by Prof. N. Goormaghtigh (Ghent), at Middx. Hospl. Med. Sch.; two lectures on "Experimental Embryology of the Eye" by Prof. M. W. Woerdeman (Amsterdam), at Univ. Coll.; *Pathology*—Lecture on "Some Aspects of the Pathology of the Pneumococcosis" by Prof. A. Polcard (Lyons), at the London Sch. of Hyg. and Tropical Med.; lecture on "The Epidemiology of Tuberculosis" by Prof. J. W. S. Blacklock (Glasgow), at the London Sch. of Hyg. and Tropical Med.; *Pharmacology*—Lecture on "The Osmotic Control of the Antidiuretic Function of the Neurohypophysis" by E. B. Verney (Camb.), at Univ. Coll.; *Fac. of Science: Agriculture*—Lecture on "Research and the Farmer" by Prof. J. A. Scott-Watson (Min. of Agric. and Fisheries), at Imp. Coll.; *Biochemistry*—Two lectures on (1) "General Biochemistry of Phosphatases," (2) "Bone Phosphatase and Mechanism of Ossification" by Prof. J. Roche (Marseilles), at London Sch. of Hyg. and Tropical Med.; two lectures on (1) "The Isolation and Properties of some Crystalline Enzymes of Muscles," (2) "The Mechanism of the Enzymatic Synthesis of Polysaccharides" by Prof. C. F. Cori (St. Louis), at London Sch. of Hyg. and Tropical Med.; lecture on "The Application of the Isotope Technique to some Biochemical Problems" by Dr. D. Rittenberg (Columbia), at London Sch. of Hyg. and Tropical Med.; *Botany*—Two lectures on "Symbiotic Nitrogen Fixation" by Prof. A. I. Virtanen (Helsinki), at Univ. Coll.;

Chemistry—Three lectures on (1) "The Hydrogen Bond," (2) "Dielectric Phenomena considered as Reaction Velocities," (3) "Order and Disorder: Second Order Transformation" by Prof. E. Bauer (Paris), at Univ. Coll.; *Geology*—Three lectures on "Marine Geology" by Dr. P. H. Kuenen (Groningen), at Imp. Coll.; *History and Philosophy of Science*—Two lectures on "The History of Chemistry in Islam" by Dr. E. J. Holmyard, at Univ. Coll.; *Mathematics*—Three lectures on "Abstract Deviation in Abstract Space" by Prof. M. Fréchet (Paris), at Univ. Coll.; *Physics*—Three lectures on "Metal Crystals" by Dr. W. G. Burgers (Delft), at Imp. Coll.; *Physiology*—Three lectures on (1) "Movements of the Human Fœtus," (2) "Recent Work on Placental Transmission," (3) "The Flora of the Alimentary Canal" by Sir Joseph Barcroft (Camb.), at Univ. Coll.; *Statistics*—Three lectures on "Additive Stochastic Processes" by Prof. P. Lévy (Paris), at Imp. Coll.; *Zoology*—Three lectures on "Three Incretory Organs" by Prof. B. Hanström (Lund), at Univ. Coll.; *Fac. of Economics: Economics*—Five lectures on "Some Developments in Economic Theory and their Application to Policy" by R. F. Harrod (Oxford), at London Sch. of Econ.; three lectures on "Some Reflections on the Relation of Government to Industry and Trade in the Light of Wartime Experience" by Sir Oliver Franks (Oxford), at London Sch. of Econ.; *Estate Management*—Lecture on "The Neighbourhood: The Basic Unit for Planning" by T. Sharp (Past Pres., Town Planning Inst.), at the Senate House; lecture on "Agricultural Policy" by E. P. Weller (Camb.), at the Senate House; *Fac. of Engineering: Electrical Engineering*—Five lectures on "Atomic Energy in Relation to Electrical Engineering" by Dr. T. E. Allibone (Metro-Vickers), at the Senate House.

STUDENTS. Total admissions in the year 1946 were 21,166, of whom 18,079 were exempted from the ordinary matricn. examn. as graduates of other Univs, or as holders of approved certificates, or after passing the Special Univ. Entrance examn. The total number of internal students on the rolls was 18,354 in the session 1946-47, while 23,289 were registered as external during the year 1947.

HONORARY DEGREES. *D.Litt.*—Prof. H. E. Butler; John Masfield; Sir David Ross; Sir Louis Sterling. *LL.D.*—Rt. Hon. Clement R. Attlee; Sir Samuel Gluckstein; Rt. Hon. Viscount Nuffield; Prof. Sir Owen Richardson; Field-Marshal the Rt. Hon. Earl Wavell. *D.Mus.*—Arthur Bliss; Mrs. Edris Connell (Ninette de Valois). *D.Sc.*—Prof. C. N. Hinshelwood; Prof. J. N. Bronsted; Prof. Paul Karrer; Prof. L. C. Pauling. *M.A.*—W. C. Chesterman; F. R. Dale; Miss D. G. Matthew; Brigadier E. E. Mockler-Ferryman; Dame Emmeline Tanner. *LL.M.*—Dame Dorothy Brock.

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(Anat.) Prof.

de Beer, G. R., M.A., D.Sc. Ox.,
P.L.S., F.R.S.

(Embryol.) Prof.

Richardson, K. C., M.Sc. W. Aust.
(Histol.) Reader.

Fell, W. A., M.A., M.B., B.Ch.
Camb. Sr. Lectr.

Ludford, R. J., D.Sc., Ph.D.

(Cytol.) Hon. Lectr.

Shanks, S. C., M.D., F.R.C.P.,
F.F.R. Hon. Radiologist.

Abercrombie, M., M.A., B.Sc. Ox.
Lectr.

Aitken, J. T., M.B., B.Ch. Glas.
Lectr.

Joseph, J., M.B., Ch.B. Glas.
Lectr.

Lodwick-Evans, D. H., M.B., B.S.
Lectr.

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F.R.C.S.

Ford, P., B.Sc., Ph.D.

Ring, P. A., M.B., B.S.

Scotland, Valerie, M.B., B.S.

Thomas, R. G., M.A., B.M., B.Ch.
Ox.

Wedeles, C. H. A.

Anthropology

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Ladell, W. S. S., M.B., B.Ch.

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Barnicot, N. A., B.Sc. Lectr.

Archæology, v. also Egyptol.

Ashmole, Bernard, M.C., M.A.,
B.Litt. Ox., F.B.A.

Yates Prof.

Codrington, Prof. K. de B., M.A.
Camb. (Indian Art)

Hon. Lectr.

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Archæol.) Hon. Lectr.

Architecture, v. infra Bartlett School of Architecture

Art (Fine Arts)

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 Gerrard, A. H. (Sculpture) Prof
 Charlton, G. J. Sr. Lectr
 Gwynne-Jones, A., D.S.O.
 Sr Lectr
 Nuttall-Smith, R., B.A.
 Departmental Asst. and Lectr
 Wellington, H. L.
 (Hist. of Art) Lectr.
 8 Assts.

*Astronomy, v. Maths.**Bibliography, v. English and Librarianship**Brochemistry*

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 F.R.I.C. Prof.
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 ington, M.Sc., Ph.D. St. Louis
 Hon. Res. Assoc.

Botany

Pearsall, W. H., D.Sc. Manc.,
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 Quain Prof. and Dir. of
 Labs.
 Jane, F. W., Ph.D., D.Sc. Reader
 (Plant Chem.) Reader.
 Fogg, G. E., B.Sc., Ph.D. Camb.
 Lectr.
 White, D. J. B., B.Sc. Lectr.

Bell, P. R., B.A. Camb. Asst. Lectr.
 Syrett, P. J., B.A. Camb.
 Asst. Lectr.
 Tristram, H., B.Sc. Sheff.
 Asst. Lectr.

1 Quain Student.

Celtic

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 Ramsay Prof.
 Donald, M. B., M.Sc. Mass. Inst.
 Tech., F.R.I.C. Reader.
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 Calderbank, P. H., B.Sc.
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 (Crystallography) Reader.
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 Bunton, C. A., Ph.D. Lectr.
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 Millen, D. J., B.Sc., Ph.D.
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 4 Hon Research Associates

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 Lockwood, J. F., M.A. Ox., Ph.D.
 (Latin) Prof.
 Clarke, M. L., M.A. Camb.
 (Gk. and Latin) Reader.

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(Gk. and Latin) Asst. Lectr.
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(Latin and Gk.) Asst. Lectr.
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- Danish*, v. Scandinavian
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Prof.
- Economics*, v. Polit. Econ.
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- Lafleur, Violette C.
Hon. Museum Asst.
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- Engineering*, v. *infra*
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Dijon, D.Lit
Lord Northcliffe Prof.
..... Quain Prof.
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Camb.
- Dodds, Winifred M. T., M.A.
- Kane, G. J., M.A. Tor., Ph.D.
Asst. Lectr.
- Spencer, T. J. B., M.A.
Asst. Lectr.
- Quirk, C. R., B.A. Asst Lectr.
- 1 Quain Student.
- 4 Assistants.
- Eugenics, Biometry and Genetics*
- Haldane, J. B. S., M.A. Ox. and
Camb., D. de l'U. Paris, Hon.
D.Sc., F.R.S.
(Biometry) Hd. of Dept.,
Weldon Prof.
- Penrose, L. S., M.A., M.D. Camb.
(Eugenics) Galton Prof.
- Grüneberg, H., Ph.D., M.D.
(Genetics) Reader.
- Kalmus, H., M.D., D.Sc. Prague
(Eugenics) Lectr.
- Bell, Julia, M.A. Dub., F.R.C.P.
(Eugenics) Hon. Res. Assoc.
- Holt, Sarah B., B.Sc., Ph.D.
(Eugenics) Res. Asst.
- Karn, M. Noel, M.A. Camb.
(Eugenics) Res. Asst.
- Smith, C. A. B., Ph.D. Camb.
(Eugenics) Asst. Lectr.
- Bird, Myrtle J., Ph.D.
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Asst. Lectr.
- Lawler, Sylvia D., M.B., B.S.
(Eugenics) Hon. Res. Asst.
- Spurway, Helen, Ph.D.
(Genetics) Hon. Res. Asst.
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Asst. Lectr.
- 5 Assts.

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 (Econ.), Ph.D. (Econ. G.)
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 Sc.D., F.R.S. Hon Lectr
 Smailes, A. E., M.A. Lectr
 Olsen, Constance P. M., B.A.
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 Jones, E., M.Sc., Ph.D. Wales
 Asst Lectr.

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 Yates-Goldsmid Prof.
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 Asst. Lectr.
 Wells, M. K., B.Sc. Asst. Lectr.
 Capewell, J. G., B.Sc. Asst. Lectr.
 Hudson, R. G. S., D.Sc.
 Hon Lectr.

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 M.A., D.Lit. Prof.
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 Hatto, A. T., M.A. Lectr.
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 Lectr.
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 Schwarz, W., M.A. Asst. Lectr.

Hebrew, v. also Semitic Epigraphy

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 Goldsmid Lectr.
 Sarna, N. M., M.A. Asst. Lectr.
 i Assistant

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 (English H.) Astor Prof.
 Reddaway, T. F., M.A. Camb.,
 F.S.A. (London H.) Reader.

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 (Amer. H.) Common-
 wealth Fund Prof.
 Jones, A. H. M., M.A.
 (Ancient H.) Prof.
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 Ph.D. Camb.
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 Carr, A. R. M., M.A. Ox.
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 Crompton, J., B.A. Manc.
 (English H.) Asst. Lectr.

Italian

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 Asst. Lectr.

*Law, v. p. 244**Librarianship*

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 Asst. Dir.

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 Staveley, R., B.A., F.L.A.
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 B.Litt. Ox. (Admin. Hist.).
 Francis, F. C., M.A. Liv. (Bibliography).
 Sayers, W. C. Berwick, F.L.A.
 (Public Libraries).
 Pafford, J. H. P., M.A., F.L.A.
 (Univ. and Special Libraries).

Mathematics

- Massey, H. S. W., M.Sc. Melb.,
 Ph.D. Camb., F.R.S.
 Goldsmid Prof.

- Davenport, H., M.A. Manc., Sc.D.
Camb., F.R.S. Astor Prof.
- Bosanquet, L. S., M.A., D.Sc.
D.Phil. Ox. Reader.
- Estermann, T., D.Sc., D.Nat.Sc.
Hamburg Reader.
- Stevenson, A. C., M.Sc. Reader.
- Wren, T. L., M.A. Camb.
(Geom.) Reader.
- Jessop, H. T., T.D., M.Sc.
(Mechs.) Sr. Lectr.
- Gregory, C. C. L., M.A. Camb.,
D.I.C., F.R.A.S.
(Astronomy) Sr. Lectr.
and Dir. of Univ. Ob-
servatory.
- Archbold, J. W., M.A. Camb.
Lectr.
- Bates, D. R., M.Sc. Belf. Lectr.
- Buckingham, R. A., Ph.D. Camb.
Lectr.
- Burhop, E. H. S., M.Sc., Ph.D.
Camb. Lectr.
- Gunn, J. C., M.A. Melb. and Camb.
Lectr.
- Harris, F. C., M.Sc., Ph.D. Lectr.
- Kestelman, H., M.Sc. Lectr.
- Rigby, Constance M., M.A. Ox.,
Ph.D. Lectr.
- Wigglesworth, L. A., M.Sc. Lectr.
- Rogers, C. A., B.Sc. Asst. Lectr.
- Eggleston, H. G., M.A. Camb.
Asst. Lectr.
- Capildeo, R., M.Sc. Asst. Lectr.
- 5 Demrs.
- Norwegian, v. Scandinavian*
- Pharmacology*
- Winton, F. R., M.A., M.D. Camb.,
D.Sc. Prof.
- Schild, H. O., M.D. Munich, Ph.D.
Edin. Reader.
- Bergel, F., D.Phil. Nat., Ph.D.,
F.R.I.C. Hon. Lectr.
- Wilson, A., M.D., Ph.D. Glas.
(Applied P.) Lectr.
- Lockett, Mary F., M.B., B.S., M.D.,
Ph.D. Lectr.
- Trevar, J. W., B.Sc., M.B., B.S.,
F.R.C.P., F.R.S. Hon. Lectr.
- Danielli, J. F., Ph.D. Camb. and
Lond., D.Sc. Hon. Lectr.
- Philology*
- Braunholtz, Prof. G. E. K., M.A.
Ox. and Camb.
(Classical) Lectr.
- Philosophy*
- Ayer, A. J., M.A. Ox.
(P. of Mind and Logic)
Grote Prof.
- Keeling, S. V., M.A. Camb., D. ès
L. Montp., D.Lit. Reader.
- Hampshire, S. N., M.A. Ox.
Asst. Lectr.
- Phonetics*
- Jones, Daniel, M.A. Camb., Dr.
Phil. Zür. Prof.
- Coustenoble, Hélène, D.Lit.
Reader.
- Fry, D. B., B.A.
Sr. Lectr. & Superint. of Lab.
- Davies, Hyacinth M. Lectr.
- Gimson, A. C., B.A. Lectr.
- O'Connor, J. D., B.A. Lectr.
- Denes, P., M.Sc. Lectr.
- Pring, J. T., M.A. Lectr.
- Chapallaz, Marguerite, B.A. Lectr.
- Arnold, G. F., B.A. Asst. Lectr.
- Tooley, Olive M. Temp. Lectr.
- Parkinson, A. Dorothy
Asst. and Secretary to
Phonetics Lab.
- Physics*
- Andrade, E. N. da C., Ph.D. Heid.,
D.Sc., F.R.S.
Quain Prof. and Dir. of
Labs.
- Wood, D. O., M.Sc.
Sr. Lectr. and Depy. Dir.
of Labs.
- Gibbs, R. E., D.Sc.
Reader and Supt. of Sen.
Labs.
- Brown, G. B., M.Sc., Ph.D.
Reader.
- Brown, R. C., Ph.D. Sr. Lectr.
- Duncanson, W. E., D.Sc. Syd.,
Ph.D. Camb. Lectr.

Dodd, C, B.Sc., Ph.D. Lectr.
 Eisenschitz, R. K., Ph.D. Munich
 Lectr.
 Heyland, G. R., B.Sc. Lectr.
 Curtis, G. C., M.A. Camb.

Asst. Lectr.
 Fox, J. W., B.Sc. Asst. Lectr.
 Jennings, R. E., B.Sc. Asst. Lectr.
 Kennedy, A. J., B.Sc. Asst. Lectr.

Physiology

Evans, C. Lovatt, LL.D. Birm.,
 D.Sc., F.R.C.P., F.R.S. (Physiol.)

Jodrell Prof. and Dir. of
 Labs.

Hill, A. V., C.H., O.B.E., Sc.D.
 Camb., D.Sc. Ox. and Manc.,
 LL.D. Edin., F.R.S. (Physiol.)
 Foulerton Prof. (Roy.
 Soc.) and Univ. Prof.

Bayliss, L. E., B.A., Ph.D. Camb.
 Reader.

Schweitzer, A., M.D. Cologne,
 D.Sc. Reader

Eggleton, M. Grace, D.Sc.
 Sr. Lectr.

Harkness, R. D., M.B., B.S., B.Sc.
 Lectr.

Ambache, N., M.A. Lectr.
 Wilkie, D. R., M.B., B.S., M.D.
 Yale Asst. Lectr.

Lippold, O. C. J., M.B., B.S.
 Asst. Lectr.

Hon Research Associates

Katz, B. W., M.D., D.Sc.
 Duke-Elder, Sir Stewart, M.A.,
 D.Sc., M.D., Ph.D., F.R.C.S.
 Cherg-How, Prof. Lou, B.S.,
 M.S., Ph.D.

Davson, H., D.Sc.
 Pirenne, M. H. L., D.Sc. Liège.

Hon. Research Assistants

Downing, A. C.
 Harris, E. J., Ph.D., D.I.C.
 Parkinson, J. L.
 Abbott, B. C., B.Sc.
 Mongar, J. L., B.Sc.
 Attree, V. H.

Wassermann, A., D.Sc., Ph.D.
 Munich
 Norman Collie Res. Fellow.

Political Economy

Allen, G. C., Ph.D., M.Com. Birm.
 Prof.

Tout, H., C.M.G., M.A. Ox.
 Reader.

Bowley, Marian, B.Sc. (Econ.),
 Ph.D. Lectr.

Stonier, A. W., M.A. Ox., D.Phil.
 Heid. Lectr.

Hague, D. C., B.Com. Birm.
 Asst. Lectr.

Psychology

Burt, Sir Cyril, M.A., D.Sc. Ox.,
 LL.D., D.Sc. Aberd. Prof.

Philpott, S. J. F., M.C., D.Sc.
 Sr. Lectr.

Keir, Gertrude, M.A. St. And.
 Lectr.

Wilkie, J. S., B.Sc. Temp. Lectr.
 Banks, E. K. Charlotte, Ph.D.

Asst. Lectr.
 Flugel, J. C., B.A. Ox., D.Sc.

Sp. Lectr.
 Eysenck, H. J., Ph.D. Sp. Lectr.

Scandinavian Studies

Smith, A. H., O.B.E., M.A., D.Lit.,
 Ph.D. Leeds Director.

Bredsdorff, E., cand. mag. Copen-
 hagen (Danish)

Queen Alexandra Lectr.
 Gröndahl, I. C., cand. mag. Oslo

(Norwegian) W. P. Ker Lectr.
 Gyllenbåga, N., fil. dr

(Swedish) Lectr.
 Luttrell, C. A., B.A.

(Old Norse) Asst. Lectr.

Science, History and Philosophy of

Dingle, H., D.Sc., D.I.C. Prof.
 McKie, D., D.Sc., Ph.D. Reader.

Underwood, E. Ashworth, M.A.,
 B.Sc., M.D., D.P.H., F.L.S.

Hon. Lectr.
 Armitage, A., M.Sc., Ph.D. Lectr.

Crombie, A. C., B.Sc. Melb., Ph.D.
Camb. Lectr.

Heathcote, N. H. de V., B.Sc.,
Ph.D. Lectr.

Semitic (North) Epigraphy

Stein, S., Ph.D. Heid.
(Hebrew) Goldsmid Lectr.

Statistics

Pearson, E. S., C.B.E., M.A.
Camb., D.Sc. Prof.

David, Florence N., Ph.D. Lectr.

Hartley, H. O., Ph.D. Lectr.

Johnson, N. L., M.Sc. Lectr.

Merrington, Maxine P. M., B.Sc.
Res. Asst.

Surveying, v. infra Engineering

Town Planning, v. infra Bartlett School of Architecture

Zoology & Comparative Anatomy

Watson, D. M. S., LL.D., D.Sc.
Manc., F.R.S. Jodrell Prof.

Wells, G. P., M.A. Camb. Reader.

Freeman, R. B., M.B.E., B.A. Ox.
Lectr.

Ross, D. M., M.A. Dal., Ph.D.
Camb. Lectr.

Whitby, Pauline, B.A. Ox.
Asst. Lectr.

Newth, D. R., B.Sc. Asst. Lectr.

Whitear, Mary, B.Sc. Asst. Lectr.

Kermack, K. A., B.Sc.
(Biol. Stats.) Asst. Lectr.

Fraser, Elizabeth A., D.Sc.
Hon. Res. Assoc.

Townend, Joyce
Res. Asst. and Sec. to
Dept.

2 Demrs

Engineering

Chemical Engineering, v. supra

Engineering, Civil and Municipal

Collins, H. J., M.C., M.Sc. (Eng.)
Birm. Chadwick Prof.

Hart, C. A., T.D., Ph.D., M.Sc.
(Eng.) (Surveying and Photo-
grammetry) Prof.

Capper, P. L., T.D., M.Sc.,
Sr. Lectr.

Delafield, M. E., M.C., B.A., M.B.,
B.Ch., D.P.H. Camb. (Hy-
giene) Spl. Lectr.

Ballantyne, A. M., B.Sc., Ph.D.
Glas. Lectr.

Miskin, E. A., M.A. Ox., B.Sc.
Sheff. Lectr.

Vaughan, R. C., B.Sc. Lectr.

Engineering, Electrical

Kapp, R. O., B.Sc. Birm.
Pender Prof. and Dir. of
Elec. E. Labs.

Barlow, H. E. M., B.Sc., Ph.D.
Prof.

Bayliss, C. W., M.A. Camb. (Elec-
trical Machinery) Sr. Lectr.

Cullen, A. L., B.Sc. (Eng.) Lectr.

Marriott, H., B.Eng. Sheff., B.Sc.
(Econ.) Lectr.

MacGregor-Morris, J. T., D.Sc.
(Eng.) Hon. Research Assoc.

Brookes, B. C., M.A.
(Presentation of Tech.
Informn.) Spl. Lectr.

Blake, A. B.
(Indust. Admin.) Spl. Lectr.

Engineering, Mechanical

Hill, G. T. R., M.C., M.Sc. (Eng.),
F.R.Ae.S. Kennedy Prof.

Lloyd-Evans, B. J., M.Sc., Ph.D.
Reader.

Webb, A. E., B.Sc. (Eng.)
Sr. Lectr.

Billet, H., B.Sc. (Eng.) Lectr.

Jackson, K. L., M.Sc. (Eng.)
Asst. Lectr.

Bartlett School of Architecture

Corfiato, H. O., F.R.I.B.A. Prof.
Holford, W. G., M.A. Liv.

(Town Planning) Prof.

Stanley, L. S., M.A. Camb.,
F.R.I.B.A.

Sr. Lectr. and Tutor.

Richardson, Prof. A. E., M.A., R.A.,
F.S.A., F.R.I.B.A. Spl. Lectr.

Wilson, H. Warren (Decoration)	Clarke, J. J., M A , F.S.S. (Town Planning)	Spl. Lectr.
Ling, A. G., B.A. (Town Planning)	Watts, L. Copeland (Heating and Ventilation)	Spl. Lectr.
Ritchie, T., F.R.I.B.A. Sr. Lectr	Richardson, E. G., B A , D Sc , Ph D (Acoustics)	Hon Lectr
White-Cooper, R. C., M C , B.A., F.R.I.B.A. (Decoration)	Carr, F. H. (Town Planning)	Studio Instr.
Ashworth, H. I., M.A. Manc., F.R.I.B.A. (Construction)	Harvey, J. D. M., B A. (Town Planning)	Studio Instr.
Hyde, S., F R I.B.A. Lectr.	Foyle, A. M., B.A. (Arch)	Studio Instr.
Aberdeen, D W., B A , F R I.B.A. Lectr	Thomson, S. L., F R.I.B.A.	Studio Instr.

GENERAL INFORMATION

Founded in 1826 and opened Oct. 1, 1828, under the name of "The University of London," the College was incorporated as "University College, London," by Royal Charter in 1836. On Jan. 1, 1907, it was incorporated in the University of London.

LIBRARY. The College Library contains over 500,000 books and pamphlets. The original Library building was largely destroyed by enemy action during 1939-45, with a loss of some 70,000 vols. As a result of this damage, the General Library is now housed in Foster Court and about three-quarters of the total book stock of the Library is not available to readers at present owing to the shortage of accommodation.

The *Foster Court Library* now contains, in addition to a selection of reference works and books suitable for first-year students, the Law library and nuclei of the libraries in Archæol. (Yates Library), Classics, Economics (Ricardo Library), English, Fine Art, Geog., Hist. (including American Hist.), Mod. Langs., Science and Engin. Parts of the libraries of the Geologists' Assoc., the Hertfordshire Natural History Soc. and the Malacological Soc. are also housed in Foster Court

The libraries in Archit., Egyptol. (Edwards Library), Librarianship, Philos. and Psychol. are housed in their respective Depts.; and some of the books in Chem. are kept in the Ramsay Reading Room in the Dept. of Chem.

The *Thane Library of Medical Sciences* is situated in the Dept. of Anatomy and contains works in Anat., Biochem., Physiol., Embryol. and Pharmacol. The library of the Folk Lore Society is also housed in the Thane Library.

The Whitley Stokes Library in Celtic, the Barlow Dante Library, the Carnegie Libraries of American Literature and of International Law, the London History collection and the Graves collection on the history of Mathematics are temporarily not available to readers. The Mocatta Library in Jewish history was destroyed by enemy action.

The *Foster Court Library* is open during Term from 9.30 A.M. to 6.30 P.M. on week-days, and from 9.30 A.M. to 12.30 P.M. on Saturdays; during Vacation it is open from 9.30 A.M. to 5 P.M. on week-days, and from 9.30 A.M. to 12.30 P.M. on Saturdays. The *Thane Library* is open from 9.30 A.M. to 5 P.M. on week-days, and from 9.30 A.M. to 12.30 P.M. on Saturdays.

MUSEUMS. Anat., Archit., Bot., Egypt., Engin., Geol. and Mineral. Vulcanological (Johnston-Lavis Collection), Zool. Three Astron. OBSERVATORIES.

FACULTIES AND DEANS. Arts, Prof. B. Woledge; Laws, Prof. G. W. Keeton; Science, Prof. W. H. Pearsall; Engineering, Prof. H. J. Collins; Medical Sciences, Prof. C. Lovatt Evans.

TUTORS. Arts, R. D. McLellan; Science, D. O. Wood (Senior Tutor); Engineering, H. Marriott; Medical Sciences, Dr. J. T. Aitken; Laws, G. Schwarzenberger; Women Students, Eleanor M. Megaw.

COURSES. Degree courses in Arts, Laws, Science, Eng., Economics, Medical Prelim. and Intermediate courses. The Arts Faculty includes Slade School of Fine Art, School of Librarianship and Archives, and Bartlett School of Archit. The Engineering Faculty includes Depts. of Civil, Mech., Munic., Surveying, Munic. Hyg., Elect. Eng. and Chem. Eng.; a Dipl. in Eng. is given after a 3 yrs.' course and a Dipl. in Chem. Eng. after a 1 yr. postgraduate course. The College also awards a Dipl. in Archit. (5 yrs.) and a Certif. in Archit. (3 yrs.); a Certif. in Decoration (3 yrs.); a Certif. in Town Planning (3 terms); a Dipl. in Librarianship (3 terms); a Dipl. in Archive Administration (3 terms).

All departments of the College are available for POSTGRADUATE AND RESEARCH WORK, and the respective Professors are always prepared to advise students wishing to undertake research.

DEPARTMENT OF EUGENICS. The Francis Galton Laboratory was founded in 1904 for the study of those agencies under social control that may improve or impair the racial qualities of future generations, either physically or mentally. Open to postgraduate research students. For staff v. *supra*.

Courses of Instruction are given on Eugenics and cognate subjects. Fees (for research workers): per term, £4 : 14 : 6. A fee of 17 gs. per year admits to the Eugenics Laboratory on all days and to all lectures, as well as to the use of the Library and of the material in the archives. Fee for use of calculators, 2 gs. per term.

THE BARTLETT SCHOOL OF ARCHITECTURE was established in 1914 by the combination of the Archit. Schools of University and King's Colleges. The Certificate (3 yrs.) and Degree or Diploma (5 yrs.) courses are recognized by the R.I.B.A. as exempting from the R.I.B.A. Intermediate and Final exams. respectively. A Division of Decoration, instituted with the co-operation of the Inc. Institute of British Decorators, provides a 3 yrs.' Certificate Course. The accommodation includes three large Studios, a Museum, a Cast Gallery, a Library, a Lecture Theatre and a Class Room. Rooms are also provided for the Department of Town Planning instituted in Oct. 1914. There is an Atelier for graduates and advanced students, with evening classes in advanced design. For staff v. *supra*.

FOREIGN STUDENTS are admitted to the College on the same terms as British. They are expected to produce identification papers. In April a *Vacation Course* in Librarianship is held. Courses in Aspects of British Life and Civilization take place *throughout the session*. The Ramsay Memorial Fellowships in Chemical Science founded by certain Foreign Governments are tenable at Univ. Coll., London, among other places.

FEES. Entrance Registration—1 g.; overseas students—2 gs. Tuition composition fee—Arts, 3 yrs., 98 gs.; Architecture, 5 yrs., 228 gs.; Science, 3 yrs., 98 to 140 gs.; Chem. Engin. (Degree and Diploma), 4 yrs., 188 gs.; Engin., 3 yrs., 168 gs.; Econ., 3 yrs., 98 gs.; Med. for 1st examn., 38 gs., 2nd, 80 gs.; Laws, Day, 3 yrs., 98 gs.; Evening, 3 yrs., 71 gs.; Fine Art, 34 gs. per yr.

SCHOLARSHIPS, ETC. Annual value, about £7890 (including £2300, Entrance Scholarships).

RESIDENCE. College Rooms in Gower Street and Cartwright Gardens; accommodation for 90 women students.

PUBLICATIONS. *Calendar* (Oct.), 8s. 6d.; *Annual Report*; *New Phineas*; the various Faculty and Departmental Prospectuses; *Prospectus* of post-graduate courses and arrangements for research.

Galton Laboratory. *Annals of Eugenics*, a quarterly Journal of Human Genetics; *Treasury of Human Inheritance*.

THE YEAR 1946-47

BENEFACTIONS. The late Dr. Elsie V. Hitchcock, £500 for the endowment of a Chambers Memorial Lecture to be held triennially. The National Institute for the Deaf, £100 towards the cost of erecting and equipping a sound-insulated room for the Dept. of Phonetics.

NEW BUILDINGS. Owing to shortages of materials, particularly of steel, little progress has been made with reconstruction of buildings destroyed by enemy action. Property in Gordon Street has been repaired and the rehabilitation of the Ramsay Memorial Laboratory of the Dept. of Chem. Engin. is now almost complete.

NEW COURSES. A Diploma Course in Archive Administration was inaugurated in October 1947 under the auspices of the School of Librarianship. The title of this dept. has now been amended to the School of Librarianship and Archives.

NEW POSTS. Readerships in Exper. Physiol., Crystallog., Biochem. and Genetics.

EXTRA-MURAL WORK. Coll. does not undertake extra-mural work, but accommodation is provided for meetings of Univ. Tutorial Classes and Extension Courses. Over 2000 people attended lunch-hour public lectures.

RETIREMENT. Prof. T. Borenus (Durning Lawrence Prof. of the Hist. of Art).

RESIGNATIONS. Dr. Una Fielding (Reader, Neurolog. Anat.), apptd. to chair of Anat., Univ. of Alexandria; Dr. W. Friedmann (Quain Lectr., English Law), apptd. to chair of Public Law, Univ. of Melbourne; Dr. R. H. Graveson (Reader, English Law), apptd. to chair of English Law, King's Coll., London; Dr. P. N. Rosentstein-Rodan (Reader, Hist. of Economic Thought and acting Hd. of Dept. of Political Econ.), on appt. to International Bank; Dr. M. J. D. White (Reader, Cytol.), apptd. to chair of Cytology in Texas Univ., U.S.A.

IMPORTANT EVENTS. Foundation Oration (Mar. 18, 1947) by Dr. G. B. Jeffery, Director of the Univ. Inst. of Education. Assembly of Coll. Facs. (July 1, 1947); Special Visitor, Sir Henry Tizard, K.C.B., F.R.S.

STUDENTS. Total: full-time, 3050 (including 1143 women and 443 post-graduates).

DEGREES OBTAINED. B.A., 155; M.A., 9; Ph.D. (Arts), 4; D.Lit., 1; LL.B., 13; LL.M., 4; LL.D., 1; B.Sc., 119; M.Sc., 3; Ph.D. (Science), 13; D.Sc., 2; M.B., B.S., 47; B.Sc. (Econ.), 13; M.Sc. (Econ.), 1; B.Sc. (Eng.), 40; M.Sc. (Eng.), 1; B.Sc. (Chem. Eng.), 4.

UNIVERSITY OF LONDON, KING'S COLLEGE

Founded 1829

Strand, W.C.2

Telephone : Temple Bar 5651.

CHAIRMAN OF THE DELEGACY—SIR RALPH LEWIS WEDGWOOD, BART.,
C.B., C.M.G.

TREASURER—SIR FREDERICK G. A. BUTLER, K.C.M.G., C.B.

PRINCIPAL—SIR WILLIAM R. HALLIDAY, M.A. Ox., LL.D. Glas.

DEAN—Rev Canon E. S. ABBOTT, M.A. Camb.

SECRETARY—SIR THOMAS P. CREED, K.B.E., M.C., M.A. Ox.

LIBRARIAN—R. HUTTON, M.A. Liv.

REGISTRAR—J. T. COMBRIDGE, M.A. Camb.

TEACHING STAFF

Anatomy, Descrip. and Surgical

Nicol, T., D.Sc. Glas. and Lond.,

M.D. Glas., F.R.C.S. Ed. Prof.

Wakeley, Sir C. P. G., K.B.E.,

D.Sc., F.R.C.S. Lectr.

Mackinnon, I. L., M.B., Ch.B.

N.Z. Lectr.

Muentert, A. H., Ph.D. Lectr.

Rawlings, H., M.Sc. Lectr.

Vicary, P. M., M.B., B.S. Lectr.

Quilliam, T. A., M.B., B.S.,

D.L.O. Lectr.

Corfield, W. D., M.B., B.S.

Asst. Lectr.

Bibliography, v. English

Biochemistry, v. Physiology

Biology, v. Zool.

Botany and Vegetable Biology

Bennet-Clark, T. A., M.A. Dub.,

Ph.D. Camb., F.L.S. Prof.

Ball, Sir N. G., Bart., M.A., Sc.D.

Dub. Lectr.

Metcalf, G., M.A., Ph.D. Camb.

Lectr.

Carpenter, J., B.A. Camb.

Asst. Lectr.

Turner, Elizabeth M. C., B.A. Ox.,

Ph.D. Asst. Lectr.

1 Tutorial Student.

Chemistry

Allmand, A. J., D.Sc. Liv., F.R.S.

Daniell Prof.

Hey, D. H., D.Sc. Manc., Ph.D.,

F.R.I.C. Prof.

Style, D. W. G., B.Sc., Ph.D.

Reader.

Salmon, C. S., M.C., M.Sc. Brist.

Sr. Lectr.

Dolley, L. G. F., T.D., B.Sc.,

Ph.D. Sr. Lectr.

Singlehurst-Ward, L., B.Sc. Lectr.

Harper, S. H., Ph.D., D.Sc.

Lectr.

Gold, V., B.Sc., Ph.D. Lectr.

Honeyman, J., M.A., B.Sc., Ph.D.

St. And. Lectr.

Dyne, P. J., B.Sc. Asst. Lectr.

Williams, G. H., B.Sc. Asst. Lectr.

1 Tutorial Student.

Classics, v. also History

Palmer, L. R., B.A. Wales,

D.Phil. Vienna, Ph.D. Camb.

(Greek) Prof.

Maguinness, W. S., M.A. Dub.
(Latin) Prof.
Handford, S. A., M.A. Ox. Reader.
Low, D. M., M.A. Ox. Lectr.
Thompson, E. A., M.A., B.Litt.
Dub. Lectr.
1 Tutorial Student.

Education

Beales, A. C. F., M.A. Lectr.
Blackwell, Mrs. Annie M., M.A.,
B.Sc. Lectr.
Brown, P. P., B.A. Ox. Lectr.
Hans, N., Ph.D., D.Lit Lectr.
Murray, Mrs. Freda M., B.Sc.
Lectr.
Wakeford, Mrs. Dorothy A., B.A.
Lectr.

Engineering, Chemical

Watkins, S. B., M.Sc. Wales,
F.R.I.C.
Sr. Lectr. and Director
of Studies.

Engineering, Civil and Mechanical

Davies, S. J., D.Sc., Ph.D.
(Mech. E.) Prof.
Ross, A. D., B.Sc. (Eng.), Ph.D.
Edin. (Civil E.) Prof.
Beaufoy, L. A., M.Sc. (Eng.),
Ph.D. (Civil E.) Reader.
Rose, H. E., M.Sc. (Eng.), Ph.D.
Lectr.
Willis, A. H., B.Sc. (Eng.) Lectr.
Watts, F. G., M.Sc. (Eng.) Lectr.
Nash, J. K. T. L., B.A.I., B.A.
Dub. Lectr.
Steed, R. W., B.Sc. (Eng.)
Asst. Lectr.
1 Tutorial Student.

Engineering, Electrical

Greig, J., Ph.D. Birm., M.Sc.
(Eng.) Siemens Prof.
Clarke, H. M., T.D., M.Sc.
Sr. Lectr.
Fraser, W., B.Sc. Lectr.

Platt, G. H., M.Sc.Tech. Manc.
Lectr.
1 Tutorial Student.

English

Bullough, G., M.A. Manc. Prof.
Garmonsway, G. N., M.A. Camb.
(E. Lang. and Lit.) Reader.
Mack, Frances M., B.A., Ph.D.
(E. Lang. and Lit.) Lectr.
Casson, L. F., M.A. Adel., B.Litt.
Ox., Ph.D. Edin. Lectr.
Crow, J. W., B.A. Ox. Lectr.
Sheard, J. A., B.A., Ph.D.
(Philology) Lectr.
Ewens, E. G., B.A. Dub.
Asst. Lectr.
Suddaby, Elizabeth, M.A. Ox.
Asst. Lectr.
Turner, D. L., M.A. Camb.
Asst. Lectr.

French

Saurat, D., D. ès L. Paris Prof.
Stone, Louise W., M.A.
(Romance Philol.) Reader.
Jones, R. A., M.C., M.A.
Sr Lectr.
Spink, J. S., M.A. Leeds, D. de
l'U. Paris Lectr.
Landers, W. M., B.A., Ph.D.
Lectr.
Cocking, J. M., M.A. Lectr.
2 Assts.

Geography

(In conjunction with staff of Lon-
don School of Economics)
Wooldridge, S. W., D.Sc., F.G.S.
Prof.
Wood, H. J., B.Sc., Ph.D.
(Historical Geog.) Lectr.
Balchin, W. G. V., M.A. Camb.
Lectr.

Geology

Gordon, W. T., M.A. Camb., M.A.,
D.Sc. Edin., F.G.S. Prof.
Wells, A. K., D.Sc., F.G.S.
Reader.

German

Norman, F., M.A. Prof.

Scott, D. F. S., Dr.Phil. Göttingen,
M.A. Lectr.

Pick, R., Ph.D. Vienna Lectr.

Gray, J. E. B., B.A. Dub.
Asst. Lectr.

2 Tutorial Students.

*Greek, Modern, and Byzantine
History, Language and
Literature*

Jenkins, R. J. H., M.A. Camb.
Koraes Prof.

History, v. also Greek

Williams, C. H., M.A. Camb. Prof.
Harlow, V. T., M.A., D.Litt. Ox.

Rhodes Prof. of Imperial H.
Scullard, H. H., M.A. Camb.,
Ph.D. (Ancient H.) Reader.

Shaw, I. P., M.A. Ox. Lectr.

Howard, C. H. D., M.A. Ox. Lectr.

Hodgett, G. A. J., M.A. Lectr.

Howard, M. E., B.A. Ox.
Asst. Lectr.

Wood, P. R., M.A. Ox.
Asst. Lectr.

Law, v. p. 244

Mathematics, Pure and Applied

Temple, G., Ph.D., D.Sc. Prof.

Semple, J. G., M.A. Belf., Ph.D.
Camb. Prof.

McVittie, G. C., M.A. Edin.,
Ph.D. Camb. Reader.

Rado, R., Dr.Phil. Berlin, Ph.D.
Camb. Reader.

Edwards, B. A., M.Sc. Wales
Sr. Lectr.

Shovelton, S. T., C.B.E., M.A. Ox.
Lectr.

Combridge, J. T., M.A. Camb.,
M.Sc. Lectr.

Scott, D. B., M.A. Camb. Lectr.

Todd, J., B.Sc. Belf. Lectr.

Davies, T. V., M.Sc. Lectr.

Wood, T. J., M.A. Asst. Lectr.

2 Tutorial Students

Palæography, v. Hist.

Pharmacology, v. Physiology

Philology, v. English and French

Philosophy [Prof.

Hallett, H. F., M.A., D.Litt. Edin.

Physics

Randall, J. T., D.Sc. Manc.,
F.R.S. Wheatstone Prof.

Coulson, C. A., M.A., Ph.D. Camb.,
D.Sc. St. And.

(Theoretical Physics) Prof.

Champion, F. C., M.A. Camb.,
Ph.D. Reader.

Chapman, F. W., M.Sc., Ph.D.

Lectr.

Stokes, A. R., M.A., Ph.D. Camb.

Lectr.

M'Ewen, Marjorie B., Ph.D. St.

And., B.Sc. Lectr.

Tomlin, S. G., B.Sc., Ph.D. Lectr.

Pincherle, L., Ph.D. Lectr.

MacKay, D. M., B.Sc. St. And.

Asst. Lectr.

Trott, N. G., B.Sc. Asst. Lectr.

Seeds, W. E., M.Sc. Dub.

Asst. Lectr.

4 Demonstrators (Pt.-time).

3 Tutorial Students.

*Physiology, Biochemistry and
Pharmacology*

McDowall, R. J. S., D.Sc., M.D.
Edin., F.R.C.P.Ed. Prof.

Robson, Wm., Ph.D. Edin., D.Sc.
(Biochem.) Reader.

Hewitt, J. A., Ph.D. St. And.,
D.Sc. Sr. Lectr.

Dunlop, H. A., M.Sc., M.D.,
F.R.C.P.

(App. Physiol.) Lectr.

Taylor, D. B., B.A., M.B., B.Ch.
Dub. Lectr.

Knox, J. A. C., M.B., Ch.B. Glas.

Lectr.

Gorrill, F. S., B.Sc., M.D. Lectr.

Widdowson, T. W., L.D.S. Lectr.

Quilliam, J. P., M.Sc., M.B., B.S.

Lectr.

Northcote, D. H., B.Sc. Asst. Lectr.

Roberts, K. B., M.B., B.S.

Asst. Lectr.

2 Tutorial Students.

<i>Portuguese</i>		<i>Theology</i> , v. p. 223	
Boxer, C. R.	Camoens Prof.		
Leitaõ, R. A. A., M.A. Coimbra	Lectr.	<i>Zoology and Animal Biology</i>	
<i>Romance</i> , v. French		Mackinnon, Doris L., LL.D., D.Sc.	Prof.
<i>Spanish Studies</i>		Aberd.	
Wilson, E. M., M.A., Ph.D. Camb.		Dawes, B., D.Sc., D.I.C.	Reader.
Cervantes Prof.		Tribe, Margaret, D.Sc.	Lectr.
Moreno, E., M.A. Ox., Ph.D. Camb	Lectr.	Arthur, D. R., M.Sc. Wales	Lectr.
Nadal, R. M., Lic-in-Law Madrid	Lectr.	Manton, Sidnie M., M.A., Ph.D., Sc.D. Camb.	Asst. Lectr.
Hamilton, Mrs. Rita, L. ès L. Lille, B.A.	Asst. Lectr.	Dixey, Leslie R., B.Sc.	Asst. Lectr.
1 Assistant		1 Tutorial Student.	

GENERAL INFORMATION

Founded by Royal Charter in 1829 for "instruction in the various branches of Literature and Science and the doctrines and duties of Christianity," King's College consisted at first of a School and Departments of General Literature, Science and Medicine, to which were added successively Engineering, Theological and Oriental Depts. The Hospital was built in 1839; the Evening Classes were started in 1856, and a Women's Dept. in 1881. In 1910 the College School became a separate Corporation, the Hospl. and Advanced Med. School were made independent, the other Depts. (except the Theological) doing work of University standard were incorporated in the Univ. of London, while the Council remained the governing body of the Theol. Dept., which became a School of the Univ. In 1915 the Arts and Science Departments of King's College for Women, previously housed in South Kensington, were transferred to the buildings of King's College, and the Household and Social Science Department to new buildings on Campden Hill. The Dept. of Household and Social Science became a separate instn. in 1928 under the title of King's Coll. of Household and Social Science, v. *infra*. In 1917 the Oriental Dept. was transferred to the new School of Oriental Studies. The School of Slavonic and East European Studies, founded in 1915, was constituted a separate department of the Univ. as from Aug. 1, 1932, v. *infra*. The Halley Stewart Laboratories of Physics Research, 30 Chesterford Gardens, Hampstead, were formally opened as a department of the College on May 4, 1933.

LIBRARIES (in all 96,000 vols.). In addition to the General Library there are the following Special Libraries: (1) The Marsden (Philol.), (2) Wheatstone (Electr. and kindred subjects), (3) Skeat and Furnivall (Philol. and Engl. Lit.), (4) Ronald Burrows Library (Mediaeval and Mod. Greek), (5) Frida Mond (Goethe and German Lit.), (6) T. R. R. Stebbing (Zool.), (7) F. D. Maurice Collection, (8) The Box Library (Semitic Studies). There are also the following Departmental Libraries: 1. Anat. 2. Bot. 3. Chem. Engin. 4. Chem. 5. Classics. 6. Educn. 7. Elect. Engin. 8. Engin. (Civ. and Mech.). 9. French. 10. Geog. 11. Geol. 12. German. 13. Hist. 14. Laws. 15. Maths. 16. Pharmacol. 17. Physics. 18. Physiol. 19. Spanish. 20. Zool.

LABORATORIES AND MUSEUMS. Anat. (Hughes Collection), Comp. Anat., Biol., Bot., Chem., Chem. Engin., Engin., Geol. and Mineral., Mat. Med., Metall., Pharmacol., Physics, Physiol. (including Biochem. and Histol.), Zool.

FACULTIES AND DEANS. Arts, Prof. F. Norman (German); Laws, Prof. H. Potter (Eng. Law); Natural Science, Prof. G. Temple (Maths.); Medical Science, Prof. R. J. S. McDowall (Physiol.); Engineering, Prof. J. Greig (Elect. Engin.); Theology, Rev. Canon E. S. Abbott.

Evening Classes in the Faculty of Laws and in the Department of Spanish Studies

TUTOR TO WOMEN STUDENTS. Dorothy Brittain, M.A. Manc.

DEGREE COURSES in Arts, Laws, Science, Engineering and Theology. Pre-clinical Courses in Medicine, and courses for the First and Second Exams. for Dental Degrees. Education Dept. for training secondary Teachers (men and women).

Engineering students are provided with facilities for spending half of each summer vacation in engineering works. Those taking 4 yrs.' course spend part of each year (18 mos. in all) in practical training.

OTHER COURSES. The Associateship of King's College is open to men and women who have graduated after 3 yrs.' course and have also attended prescribed course in Divinity. Diploma course in Engineering, ordinarily 3 yrs.

ADVANCED STUDY. Special facilities in English (including Bibliography), History (especially Mediæval, Colonial and Ancient), Portuguese, Spanish, Modern Greek, Education and several Depts. of Science. All Faculties accept students for postgraduate courses.

FEES. Tuition per Session, including fees for games, library and union society: Arts, 30 to 37 gs.; Laws, 21 to 30 gs.; Science, 35 to 50 gs.; Med., £40 to £44; Engin., 48 to 60 gs.

SCHOLARSHIPS. For undergraduates: In Arts 5, aggregate value £416 p.a.; Laws 1, ag. value £30 p.a.; Natural Science 6, ag. value £561:10s. p.a.; Medical Science 4, ag. value £165 p.a.; Theology 1, ag. value £140 p.a. Some of these are eligible for supplementation by the Ministry of Education. There are also a few open postgraduate scholarships.

ENTRANCE SCHOLARSHIPS in all Faculties. Also some of £20 p.a., open to matriculated students of the Univ., on condition of their reading for the B.D.

RESIDENCE. Two hostels, one Theol., King's College Theological Hostel, for 72 men (Warden: Rev. Canon E. S. Abbott, M.A.), fees, £90 for three terms; one general "The Platanes," for 75 men (Warden: Major J. R. Holland), fees, £90 for three terms.

A REGISTER OF FORMER STUDENTS is maintained, in which changes of address are recorded without charge.

PUBLICATIONS. Separate Syllabus for each Faculty post free. *Calendar*, 7s. 6d. post free; *K.C. Review*; *Union Society Handbook*; *King's Engineer*; *King's Counsel*; *Old Students' Association Year Book*.

THE YEAR 1946-47

BENEFACTIONS. Under the Will of the late Sir Edward Troup, a reversionary bequest of £750. The late Lord Blanesburgh, bequest of 799 vols. of Law Reports and Books. The late Prof. J. W. Adamson, bequest of some 14 books. Mrs. Cavenagh, the educational library of the late Prof. F. A. Cavenagh. Miss Villasante, books from the library of the late Dr. J. M. Villasante. Mr. Alexis Vlasto, some 800 books and pamphlets from the collection of the late Mr. Peter Vlasto. French Government, some 62 vols. of French literature and history. Prof. Edgar Prestage, books and notes of lectures. Goldsmiths'

Librarian (Univ. of London), an autographed letter of Robert Southey dated July 31, 1828. Davey, Paxman & Co., a sectional 12-cylinder Vee type Paxman Oil Engine. Director of Megator Pumps and Compressors Ltd., a Megator Pump on loan. Mr. G. F. Shotton (North-Met. Power Co.), apparatus for investigation of the induction type electricity meter.

NEW BUILDINGS. Premises at 170 Strand, immediately beyond the East Wing of the Coll., have been brought into use and have provided much-needed space for some of the Arts Depts. A lease has been secured of the Chesham Hotel in Surrey Street, which will provide rooms for the Students' Union Society and for the Depts. of Maths., Spanish, Portuguese and Imperial Hist.

NEW DEPARTMENTS AND POSTS. Camoens Chair of Portuguese (vacant for some years) has been filled by the appointment of Major C. R. Boxer. Title of "Chair of Education" changed to "Chair of History of Education." Readership in English Law instituted. Second Readership in Maths. instituted and filled by appointment of Dr. R. Rado. Courses for Certificate in Chem. Engin. reinstituted and Mr. S. B. Watkins appointed Director of Studies in Chem. Engin.

OTHER DEVELOPMENTS. Establishment of a Research Unit of the Medical Research Council, with the Wheatstone Prof. of Physics as Hon. Director, to conduct researches in Biophysics. Conversion of garden at Hostel into an experimental garden for the Dept. of Bot. Establishment of an annual Barclay-Smith Prize in Anat.

EXTRA-MURAL WORK. The Coll. does not undertake extra-mural work, but a number of Public Lectures are given in the Coll.

RETIREMENTS. Mr. S. T. Shovelton, Secy. of the Coll. from 1919 to 1947.

RESIGNATIONS. Mr. Hilary Jenkinson (Reader in Diplomatic and English Archives), apptd. Deputy Keeper of the Public Records. Mr. R. C. Latham (Hist.), apptd. to Readership at the Royal Holloway Coll., Univ. of London. Mrs. Hanna Connell (German), apptd. to Westfield Coll., Univ. of London. Dr. E. T. Davies (Maths.), apptd. Prof. of Maths. at Univ. Coll., Southampton. Dr. V. C. A. Ferraro (Maths.), apptd. Prof. of Appld. Maths. at Univ. Coll., Exeter. Mr. J. C. D. Brand (Chem.), apptd. to Univ. of Glasgow. Dr. J. F. Kirkaldy (Geog.), apptd. Reader in Geol. at Queen Mary Coll., Univ. of London. Mr. V. I. Little (Physics), apptd. to Bedford Coll., Univ. of London. Dr. B. C. Lee (Elect. Engin.), apptd. to an Inspectorship under the Ministry of Education. Mr. H. B. Seed (Civ. Engin.), apptd. to a Univ. Postgraduate Travelling Studentship.

DEATHS. Rt. Rev. Bishop A. C. Headlam, C.H., D.D., Fellow of Coll., Principal from 1903 to 1912, and the first Dean of the Coll. Emeritus Prof. J. W. Adamson, Fellow of Coll., Hd. of Day Training Dept. from 1890 to 1924 and Prof. of Educn. from 1903 to 1924. Dr. Arthur Whitfield, Fellow of Coll., a former student, and Prof. of Dermatol. at King's Coll. Hospl. from 1906 to 1927. Dr. R. J. Gladstone, member of staff of Dept. of Anat. from 1912 to 1930. Mr. F. J. Mansfield, former member of staff of Dept. of Journalism. Dr. C. S. Myers, C.B.E., Prof. of Psychol. from 1906 to 1909.

STUDENTS. Total: 2055 (including 272 in Theology); full-time: 1691; part-time: 364; the total includes 531 women and 215 postgraduates.

DEGREES OBTAINED. B.D., 6; B.A., 130; M.A., 9; Ph.D. (Arts), 4; LL.B., 25; B.Sc., 106; M.Sc., 7; Ph.D. (Science), 5; Ph.D. (Med. Sc.), 1; B.Sc. (Eng.), 42; M.Sc. (Eng.), 1; Ph.D. (Eng.), 1; D.Sc. (Eng.), 1.

UNIVERSITY INSTITUTES AND DEPARTMENTS

UNIVERSITY OF LONDON, INSTITUTE OF EDUCATION

(Formerly LONDON DAY TRAINING COLLEGE)

Founded 1902

Postal Address—University of London Institute of Education, W.C.1.
Telephone : Museum 5525.

DIRECTOR—G. B. JEFFERY, M.A., D.Sc., F.R.S.

DEPUTY DIRECTOR—Prof. H. R. HAMLEY, M.A., M.Sc. Melb., Ph.D.
Columbia.

TUTOR TO WOMEN STUDENTS—Miss M. B. GWYNNE, M.A. Camb.

SENIOR TUTOR—P. GURREY, B.A., Ph.D.

TUTOR TO OVERSEA STUDENTS—L. H. S. EMERSON, M.A. Camb.

SCHOOLS RELATIONS OFFICER—G. BARON, B.A., M.Ed. Leeds.

SECRETARY—Miss G. M. WACEY.

LIBRARIAN—Miss G. DE MONTMORENCY, F.L.A.

TEACHING STAFF

Professors

Hamley, H. R., M.A., M.Sc. Melb.,
Ph.D. Columbia

Lauwerys, J. A., B.Sc., D.Sc.
Ghent.

Reid, L. A., M.A. Edin., Ph.D.
Wales, D.Litt. Edin.

Readers

Fleming, Charlotte M., M.A., Ed.B.,
Ph.D. Glas.

Gurree, P., M.A., Ph.D.

James, H. E. O., B.A., M.Sc. Manc.

Read, Margaret H., Ph.D., M.A.
Camb. Hd. of Colonial Dept.

Senior Lecturers

Buck, J. L. B., Ph.D. Mich., Ed.M.
Harvard.

Calthrop, Margaret G., Mod. Lang.
Trip.

Daltry, C. T., B.Sc.

Elliott, A. V. P., M.A. Camb.

Gardner, Dorothy E. M., M.A.
Leeds, Hd. of Dept. of Child
Development.

Gwynne, Maura B., M.A. Camb.

Harrison, A. S., M.Sc. Manc.

Lewis, L. J., B.Sc. Wales.

Meier, F. A., M.A. Camb.

Scarfe, N. V., M.A.

Smith, F. J. Kinchin, M.A. Ox.

Warden, Winifred M., M.Sc. Birm.,
F.L.S.

Weitzman, Sophia, M.A., Ph.D.
Manc.

Whaite, H. C., Slade Dip.

Lecturers

Bearman, Ethel C., M.A. Ox.
 Coppen, Helen E., B.Sc. Pretoria
 Edwards, Daisy M., M.Sc., A.M.
 Columbia
 Evans, P. C. C., M.A. Wales.
 Hellman, Ilse.
 Holt, Frances M., Ph.D. Birm.
 Langdon, Eleanor M.
 Martin, Nancy C., B.A.
 Moore, Edith M., B.A.
 Mort, E. L., O.B.E., M.A.
 Parker, B. N., M.A.
 Sollis, C. G., M.A. Ox.
 Vivien, S., B.A.
 Wilshire, Phyllis N., M.A. Ox.

Asst. Tutors

Baggot, Doris I.
 Britton, J. N., B.A.

Chandler, Constance M., B.Sc.
 Duane, W. M., B.A.
 Fawdry, K. L., B.A. Camb.
 Gabriel, Olive, A.T.D.
 Gattegno, C., Dr Phil Basle.
 Gordon, Shirley C., B.A.
 Henderson, J. L., M.A. Ox.
 Hodgson, Frances M., B.A.
 Koop, Gwendoline W., A.T.D.
 Long, Iris L. M., B.A.
 Marrack, Yvonne.

Visiting Lecturers

Foster, Arnold W. (Music)
 Gullan, Marjorie (Speech Trg.)
 Giles, F. H. (Lab. Arts).
 Sewell, Helen V. (Phys. Trg.)
 Underwood, R. G. (Phys. Trg.).
 Williams, R. (Lab. Arts).
 Wright, Elizabeth (Pottery).

GENERAL INFORMATION

London Day Training College was founded by the London County Council in 1902 as an institution in connexion with the Univ. working under the Regulations of the Board of Education for the Training of Teachers. The first Principal (1902-22) was Prof. (later Sir) John Adams. From 1909 to 1932 the Coll. was a School of the Univ. in Pedagogy, and as such was governed by a College Council composed equally of representatives of the L.C.C. and of the Senate. On Sept. 1, 1932, as the result of an agreement between the Board of Education, the L.C.C. and the Univ., the Coll. was transferred to the educational and financial control of the Univ., and its title was changed to "University of London, Institute of Education." The Institute is administered as a "central activity" of the Univ. by a Delegacy appointed by the Senate, and composed of representatives of that body, of the L.C.C. and of the teaching staff, together with certain co-opted members. In Aug. 1938 the Institute was transferred to the new building on the Bloomsbury site provided by a special grant from the Council to the Univ.

Students are trained under the Regulations for the Training of Teachers (H.M. Stationery Office, Kingsway, W.C.2) for Primary and Secondary Schools. Undergraduates can take a 4 yrs.' course so as to combine B.A., B.Sc. or B.Sc. Econ. courses (taken at other Colls.) with Professional training. One who has already graduated may devote himself continuously for a year to the theory, etc., of Educn. and obtain the Univ. diploma.

FEES AND COURSES. The annual tuition fee for the following courses is £62: 10s.: Teacher's Dipl., Art Teacher's Dipl., Special Colonial Course, Advanced Course in the Dept. of Child Development, Dipl. in English Educational Thought and Practice, course in the Methods of Teaching English as a Foreign Language and the M.A. and Ph.D. courses in Educn.

"Recognized" students taking one of the following: Teacher's Dipl., Art Teacher's Dipl. or the Advanced Course in the Dept. of Child Development

under Min. of Education Regns. for the Training of Teachers receive financial assistance towards fees and maintenance as set out in the current regns.

An Associateship of the Institute has been established and may be awarded to students upon completing at least one full session of work other than for a diploma or higher degree in education. The fee for the course is £62:10s. Applications for the award of the Associateship must be received not later than 1st December in the session in which they are to be considered. A fee of 3 gs. must accompany each application.

PUBLICATIONS. The *Yearbook of Education* (pubd. by Messrs. Evans Brothers in assn. with the Institute), 63s. *Studies and Reports*: No. I—"Educational Problems in the Far East and the Near East," by C. H. Becker. No. II—"The Outlook in Education," by I. L. Kandel. No. III—"Tendencies in University Education," by Edwin Deller. No. IV—"The Yao Tribe, Their Culture and Education," by Benno Heckel and "Arts and Crafts in the Training of Bemba Youth," by Griffith Quick. No. V—"Quebec and South Africa: A Study in Cultural Adjustment," by F. Clarke. No. VI—"John Adams: A Lecture in His Memory," by Sir Michael Sadler. No. VII—"Some Aspects of Indian Education, Past, Present, and Future," by Sir Philip Hartog. No. VIII—"Thomas George Tibbey: A Lecture in His Memory," by P. B. Ballard. No. IX—"Some Aspects of Education in Tropical Africa," by E. R. J. Hussey, H. S. Scott and the Right Rev. J. J. Willis. No. X—"Education for Citizenship," by Ernest Barker. No. XI—"Free, Compulsory, and Secular: A Critical Estimate of Australian Education," by G. V. Portus. No. XII—"Education and Revolution in Spain," by José Castillejo. No. XIII—"Some Suggestions towards a Revised Philosophy of Education," by Professor John Macdonald. No. XIV—"Education and U.N.E.S.C.O.," by Professor Howard Wilson. Obtainable from the Institute, price 1s. each; Nos. I, IV, VII, IX and XI, 2s. each; No. XIV, 1s. 6d. In conjunction with the Home and School Council of Great Britain, a series of pamphlets entitled *Concerning Children*, 3d. each.

THE YEAR 1946-47

BENEFACTIONS. Carnegie Corporation of New York, annual grant of \$22,500 for extension of facilities for students from overseas and strengthening of relations with overseas countries

NEW POSTS. Chair of Philos. of Educn. (Prof. L. A. Reid); Readership in Psychol. (Mr. H. E. O. James); Lectureships in New Media (Mrs. Helen E. Copen) and in Statistics (Mrs. Daisy M. Edwards).

DEATH. Prof. Karl Mannheim.

STUDENTS. Total: 1043; full-time: 736; part-time: 307; the total includes 555 women and 672 postgraduates.

DEGREES OBTAINED. Ph.D. (Educn.), 4; M.A. (Educn.), 29 (Part I.), 8 (both Parts); Teacher's Diploma, 384; Art Teacher's Diploma, 39.

UNIVERSITY OF LONDON, COURTAULD INSTITUTE OF ART

Founded 1932

20 Portman Square, London, W.1.

Telephone: Welbeck 1388-9

CHAIRMAN OF MANAGEMENT COMMITTEE—.....

DIRECTOR—A. F. BLUNT, C.V.O., M.A. Camb.

DEPUTY DIRECTOR—.....

REGISTRAR—CHARLES CLARE.

LIBRARIAN—RHODA WELSFORD.

TEACHING STAFF

<i>Art, History of</i>		<i>Chinese Art and Archæology</i>	
		Chair in abeyance.	
The Director	Prof	Hansford, S H., M A.	Lectr.
Wilde, J, Ph D Vienna	Reader.	<i>Technology of Art, History of</i>	
		.....	Prof.
Whinney, Margaret, D.Lit., F.S A		Ruhemann, H	Lectr.
	Lectr.	Rees-Jones, S.	Asst.

GENERAL INFORMATION

Opened to students Oct. 1933, as the result of a gift of £100,000 for buildings and partial endowment by Mr. Samuel Courtauld, and of gifts by Sir Joseph Duveen and Sir Herbert Cook. Other benefactions include a gift by the late Alderman J. G. Graves and the bequest of his estate by the late Mr. Norman Wilkinson of Four Oaks, with which a Scientific Dept and Laboratory has been established. A Univ. Dept. concerned with teaching and research in the History of Art, including both European and Oriental. Courses are provided leading to B.A. Hons. in History of Art and to M.A. and Ph.D. in History of Art and in Archæology, also to a Diploma in both subjects. Research students also accepted, and a number of lectures are given to which the general public are admitted. The students are mainly graduates. The present headquarters of the Institute, one of the finest examples of the work of the Brothers Adam, is also a gift from Mr. Courtauld. When the headquarters of the Institute are moved to Bloomsbury, 20 Portman Square will remain the official residence of the Director, and a centre for special studies.

FEES. For full-time students, £40 p.a. Fees for part-time students or for public lectures on application to the Registrar.

LIBRARY. 15,000 vols and 15,000 pamphlets, slide collection and Conway Library of reproductions. The Witt Library at 32 Portman Square gives special facilities to students.

THE YEAR 1946-47

STUDENTS. About 35.

UNIVERSITY OF LONDON, SCHOOL OF SLAVONIC AND EAST EUROPEAN STUDIES

Founded 1915 as a department of King's College, London; since 1932 a "Central Activity" of the University.

Postal Address—University of London, School of Slavonic and East European Studies, London, W.C.1.

Telephone: Museum 9782/3.

CHAIRMAN OF COUNCIL—Prof. C. L. WRENN, M.A.

DIRECTOR—G. H. BOLSOVER, O.B.E., Ph.D.

SECRETARY—DOROTHY GALTON.

LIBRARIAN—L. LOEWENSON.

TEACHING STAFF

Bulgarian

Pinto, V. de S. (Jr.), B.A. Ox.
Asst. Lectr.

Kusseff, M., B.Th. Durh.
Temp. Asst.

Czechoslovak

Mann, S. E., M.A. Brist. Lectr.
Nosek, J. Temp. Asst.

History, Central European

Betts, R. R., M.A. Ox. and Birm.
Masaryk Prof.

History of Danubian Lands

Auty, Phyllis, B.A., B.Litt. Ox.
Lectr.

History of Eastern Europe, Economic and Social

Warriner, Doreen, O.B.E., B.A.
Ox., Ph.D. Lectr.

Hungarian

Cushing, G. F., B.A. Camb.
Asst. Lectr.

Iványi-Grünwald, B., Ph.D. Buda-
pest Temp. Lectr.

Marczali, Polly Temp. Asst.

Polish

Rose, W. J., B.A. Manlt., M.A.
Ox., Ph.D. Cracow

Actg. Hd. of Dept., Prof.

Pietrkiewicz, J. M., Ph.D.
Temp. Asst.

Roumanian

..... Lectr.
Vărgolici, C. Temp. Asst.

Russian

Malnick, Miss B., B.A. Camb.,
Ph.D. (R. Studies) Reader.
Brodiansky, Nina, B.A. Camb.

(Lit.) Lectr.
Jukova, Valentina Lectr.

Matthews, W. K., M.A. Manc.,
Ph.D. Lectr.

Rothstein, A., B.A. Ox.
(Soviet Institutions) Lectr.

Seeley, F. F., M.A. Ox. Lectr.
Obrastsoff-Rutinsky, V. V.

Temp. Lectr.
Hingley, R. F., B.A. Ox.

Asst. Lectr.
Bartlett, Hélène, B.A.

Temp. Asst. Lectr.
Babitsky, V. Temp. Asst.

Bunn, Maya Temp. Asst.
Rapp, Helen, B.A. Ox.

Temp. Asst.

Slavonic Philology, Comparative

Nandris, G., Ph.D. Cracow Prof.

de Bray, R. G. A., B.A. Lectr.

Panel of Additional Lecturers
Birnbaum, S. A., Ph D (*East-European Jewish Studies*)

Yugoslav

Javarek, Vera, B A Asst Lectr
Grozdic-Gros, O Temp. Asst.

Zernov, N., Ph D (*Russian Church Hist.*)

GENERAL INFORMATION

Established at King's Coll., 1915. Since Aug. 1932 a dept. of the Univ. in Arts. Library, 25,000 vols. FEES: 4 gs. to 34 gs. per session. COURSES: Teaching provided in the lang., lit., hist. and econ. of Russia and the countries of Eastern and Central Europe (excluding Germany) Special facilities for research and postgraduate work. A Diploma is open to students who have not matriculated at the Univ.

PUBLICATIONS. *Slavonic and East European Review* (twice a year), £1: 5s. p a.

THE YEAR 1946-47

NEW DEPARTMENTS AND POSTS. Readership in Russian Studies. Lectureship in Russian Economic and Social Studies.

RESIGNATIONS. Mr. G. Struve (Russian Lit.), on appt. to Chair of Russian at Univ. of California; Mr. R. E. Burnham (Finnish); Mr. V. E. J. Holttum (Lithuanian), on appt. to Lectureship in Russian at Glasgow Univ., Mr. M. Sova (Czechoslovak), Dr. N. J. Szenczi (Hungarian), on appt. to Chair of English at Budapest Univ.

STUDENTS. Total: 248; full-time. 54; part-time. 194; the total includes 119 women and 13 postgraduates.

DEGREES OBTAINED. B.A. Hons. (Russian), 3; Academic Diploma, 3.

UNIVERSITY OF LONDON, INSTITUTE OF ARCHÆOLOGY

Founded 1934

Inner Circle, Regent's Park, London, N.W.1.

Telephone: Welbeck 1697.

CHAIRMAN OF MANAGEMENT COMMITTEE—SIR ALFRED CLAPHAM,
C B E, F B A, V P S. A.

DIRECTOR AND PROFESSOR OF PREHISTORIC EUROPEAN ARCHÆOLOGY
—V. G. CHILDE, B.A. Syd., B.Litt. Ox., D Litt. Harv., D.Sc. Penn.,
F B A

PROFESSOR OF WESTERN ASIATIC ARCHÆOLOGY —M. E. L. MALLOWAN,
M.A. Ox., F.S.A.

BROWN ANIMAL SANATORY INSTITUTION 181

PROFESSOR OF INDIAN ARCHÆOLOGY—C. DE B. CODRINGTON, M.A.
Camb.

PROFESSOR OF ENVIRONMENTAL ARCHÆOLOGY—F. E. ZEUNER, Ph.D.,
D.Sc.

LECTURER IN PALESTINIAN ARCHÆOLOGY—KATHLEEN KENYON, M.A.
Ox., F.S.A.

SECRETARY—I. W. CORNWALL, B.A. Camb.

GENERAL INFORMATION

Equipment provided in the first instance for the study of the Archæology of the British Isles and Near East, esp. of those countries for which Gt. Britain has special responsibilities, such as Palestine, Mesopotamia, etc.

Teaching collections for British and Palestine archæology, notably the Petrie Palestinian collection, are available to students.

Instruction is given for the Diplomas in Archæol. of the Univ. of London, and for higher degrees in archæological subjects. Tuition is also provided in archæological technique, including excavation methods, the repair and preservation of archæological objects, draftsmanship, surveying and photography. Courses of lectures, open both to students and to the general public, are given in these subjects, on recent excavations both in the British Isles and the Near East, and on archæological methods.

THE YEAR 1946-47

Prof. M. E. L. Mallowan was appointed to the Chair of Western Asiatic Archæology from the beginning of the Summer Term.

In addition to the full courses of lectures covering the subjects prescribed for the Academic Diploma in European Archæol. (Prehistoric), including a course on the Hist. of Archæol., three public lectures were delivered by Dr. H. O'Neill Hencken, Harvard, on "The Chronology of the Bronze and Early Iron Ages."

The collections were arranged and enlarged and gaps in the teaching equipment have been gradually filled as material became available.

STUDENTS. Total: 50; full-time: 8; part-time: 42; the total includes 28 women.

UNIVERSITY OF LONDON, BROWN ANIMAL SANATORY INSTITUTION

Established in 1871 for "investigating, studying, and, without charge beyond immediate expenses, endeavouring to cure maladies, distempers, and injuries any quadrupeds or birds useful to man may be found subject to." It contains a Hospital, in which the diseases and injuries of animals are treated, and a Laboratory, where the investigation and study of diseases are carried on. Both in- and out-patients are treated.

Owing to War damage the Institution is closed until further notice.

UNIVERSITY OF LONDON, INSTITUTE OF HISTORICAL RESEARCH

Founded 1921

Senate House, W.C.1.

Telephone: Museum 0272, 0273.

DIRECTOR—Prof. V. H. GALBRAITH, M.A. Ox., D.Lit. Belf., F.B.A.

SECRETARY AND LIBRARIAN—A. TAYLOR MILNE, M.A.

The Institute of Historical Research is one of the central institutions of the University and entered its permanent quarters during the summer of 1947. The Institute is primarily a laboratory for the training of postgraduate students in the methods of historical research, and for the use of visiting scholars while working in London. It is a department of the Univ., administered by a Committee appointed annually by the Senate, and consists of a systematically planned series of seminar libraries, equipped with the books containing or describing the main sources of mediæval and modern history. It is open not only to all teachers of history in the Univ. and their research students, but also to approved historians, archivists, teachers and research students from other Univs. Instruction, undertaken by members of the History Depts. of the Schools of the Univ., is normally carried on in (1) a series of preliminary courses dealing with the sources of British, Imperial and foreign history, an introduction to work in archives, and palæography classes; (2) a series of seminars dealing with special historical subjects. In addition, the Institute is active in promoting the organization of historical studies in general, undertaking bibliographical and other investigations, the results of which are published in its *Bulletin*, and arranging conferences.

LIBRARY. 64,311 books, periodicals and pamphlets; also 750 maps, 600 facsimiles.

PUBLICATIONS. *Annual Report*; *Bulletin* published twice a year with two annual supplements ("Guide to the Historical Publications of the Societies of England and Wales" and "Historical Research for University Degrees in the United Kingdom") and occasional Special Supplements. *Victoria History of the Counties of England* (General Editor: L. F. Salzman, M.A. Camb., F.S.A.). The University publication *School of History and Institute of Historical Research* serves as a handbook to the Institute.

THE YEAR 1946-47

ACTIVITIES. Twenty-one postgraduate courses and seminars were offered, compared with seven in the previous session. Three Research Fellowships tenable at the Institute in 1947-48 were awarded for the first time. The annual Anglo-American Conference of Historians was resumed in July.

BENEFACTIONS. 168 vols. of *Le Moniteur universel* from the Athenæum; *Catalogo de manuscritos* from the University of Coimbra; works on Latin-American history from South American historical societies.

MEMBERS—282.

UNIVERSITY OBSERVATORY

Founded 1929

Mill Hill Park, N.W.7.

Telephone : Mill Hill 1618

Telegrams (for overseas use only) : Comtelast London.

DIRECTOR—C. C. L. GREGORY, M.A. Camb., D.I.C., F.R.A.S.

THE UNIVERSITY OBSERVATORY is situated in Mill Hill Park, London, N.W.7, on a site granted by the Hendon Urban District Council on a 999 years' lease at a nominal rent. It contains a 24-inch reflecting telescope, the gift of Mr. J. G. Wilson ; a 24-inch photographic and 18-inch visual twin refractor, the gift of the Radcliffe Trustees ; an 8-inch refracting equatorial telescope, the gift of Mr. H. R. Fry ; and a spectrographic laboratory. The work of the Observatory is designed to meet the needs of postgraduate research workers in Astronomy. The main work in progress consists of—(a) parallax determinations, (b) proper motions, (c) spectra of "early-type" stars. A stellar spectrograph is available for work in the ultra-violet, and is being used for radial velocity determinations.

The Observatory is normally open to all properly qualified students of the University. Application for admission should be made to the Director.

UNIVERSITY OF LONDON,
WARBURG INSTITUTE

Founded 1945

Imperial Institute Buildings,
South Kensington, S.W.7.

Telephone : Kensington 9077 and 7727.

DIRECTOR—Prof. F. SAXL.

The object of the Institute is to provide facilities for research on the Character and History of the Classical Tradition. Its scope includes the History of Thought and Literature, of Religion and Sciences, of Social Institutions, the Arts, etc., and it covers the Western and Near Eastern civilizations. The *Library* contains about 90,000 vols., including offprints and periodicals, and the collection of photographs (about 200,000) includes sections on the survival of classical types, on mythology, symbolism, social activities, etc.

UNIVERSITY OF LONDON, INSTITUTE OF
ADVANCED LEGAL STUDIES

25 Russell Square, London, W.C.1.

Telephone: MUSEum 3232

CHAIRMAN OF COMMITTEE OF MANAGEMENT—The Right Hon. LORD
MACMILLAN, G.C.V.O.

DIRECTOR—Professor D. HUGHES PARRY, LL.D.

SECRETARY AND LIBRARIAN—K. HOWARD DRAKE, M.A.

This Institute has been set up as part of the post-war expansion of the University of London and occupies premises near the Senate House.

The aim of the Institute is to act as a focal point for legal research and to provide seminar classes for students reading for higher degrees in law at a School of the University, and for other research workers.

The Institute's Library, which is in process of being built up, consists of over 10,000 books, about half of which were bequeathed to the University by the late Dr. Charles Huberich. The Institute has acquired practically all United Kingdom law reports and Statutes and basic works, particularly those of use for seminar purposes. In addition, the Nuffield Foundation have generously made available the sum of £10,000 for the purchase of legal literature relating to the Dominions and Colonies. In making use of this benefaction, the Institute is pursuing a selective policy and is giving priority to material not elsewhere available in London.

The Institute is collating particulars of legal research being undertaken and is in a position to pass this on to research workers and to other enquirers.

Admission to the Institute may be granted, without fee, to all *teachers* of law in Universities and University Colleges, both in the United Kingdom and overseas, and to all teachers in Law Schools, who are qualified to become members of the Society of Public Teachers of Law; all *postgraduate students* engaged on approved research, and to any University students attending a class or seminar at the Institute; all *other persons* by permission of the Director.

Persons who already hold a research degree or have published the results of their researches, or have had considerable training or practical experience in the law, may be admitted to the use of the Institute, either on payment of a fee, or without fee, if duly invited and willing to assist in the work of a seminar held at the Institute.

SCHOOLS OF THE UNIVERSITY

IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

Founded 1907

Prince Consort Road, S. Kensington, S.W.7.

Telephone : Kensington 4861.

VISITOR—H.M. THE KING.

CHAIRMAN OF THE GOVERNING BODY—The Rt. Hon THE VISCOUNT
FALMOUTH.

RECTOR—SIR RICHARD V. SOUTHWELL, M A Camb , LL.D. St. Andrews,
F.R.S.

SECRETARY AND SECRETARY TO THE DELEGACY—G. C. LOWRY, T.D.,
M.A Camb.

ASST. SECRETARY AND REGISTRAR—E. F. CUTCLIFFE, M.B.E., B.A. Ox.

TEACHING STAFF

Aeronautics

Hall, A. A., M A. Camb , F.R.Ae.S.
Zaharoff Prof. and Head
of Dept.

Hill, F. T., F R.Ae.S. Asst. Prof.

Roberts, H., B.Sc. (Eng.) Lectr.

Fink, P. T., B.Eng. (Ae.) Syd.
Asst. Lectr.

Irving, F. G., B.Eng., D.I.C.
Asst Lectr

Ritter, H., B.Sc. Demr.

Special Lecturers

Langley, M., F.R.Ae.S.

Wheeler - Robinson, B., M.A.
Camb., Ph.D.

Williams, D., D Sc. Wales.

Applied Chem., v. Chem. Eng.

Astrophysics, v. Physics

Bacteriology, v. Bot.

Biochemistry, v. Bot.

Biology, v. Bot., Zool.

Botany

Brown, W., M A. Edin , D.Sc.,
D.I.C., F.R.S.

(Plant Path) Prof. and
Hd. of Dept.

Gregory, F. G , D.Sc., D.I.C.,
F.R.S. (Plant Physiol.) Prof.

Howarth, F , B Sc., F L.S.
Sr. Lectr.

Buston, H. W., D.Sc., D.I.C.
Sr. Lectr.

Jacobs, S. E., Ph.D. Sr. Lectr.

Pratt, Clara A., M.A. Camb.,
Ph.D., D I.C., F.L.S. Lectr.

Rutter, A. J., Ph.D. Lectr.

Wood, R. K. S., B.Sc. Lectr.

Levy, J. F., B.Sc. Asst. Lectr.

Spanner, D. C., B.Sc. Asst. Lectr.

Montgomery, Nancy, B.Sc
Asst. Lectr.

Smieton, Margaret J., B.Sc.
Asst. Lectr.

Lacey, Rosemary, B.Sc. Demr.

Heath, O. V. S., D.Sc., Ph.D.,
D.I.C. Sp. Lectr.

Findlay, W. P. K., D.Sc., D.I.C.
Sp. Lectr.

*Chemical Engineering and
Applied Chemistry*

Egerton, Sir Alfred C. G., M.A.
Ox., B.Sc., F.R.I.C., F.I.P.,
Sec R S.

Prof. and Hd. of Dept.
Finch, G. I., M.B.E., Dip. Tech.
Chem. Zurich, D.Sc. Bruss,
F.R.S.

(Applied Phys. Chem.) Prof.
Newitt, D. M., M.C., D.Sc., Ph.D.,
D.I.C., F.R.S.

Courtauld's Prof. of Chem.
Engn
Himus, G. W., Ph.D., D.I.C.,
F.I.F.

Asst. Prof. and Univ. Reader.
Coulson, J. M., M.A. Camb., Ph.D.,
D.I.C. Lectr.

Barrett, L. R., B.A., B.Sc., M.S.
Lectr.

Wilman, H., Ph.D., D.I.C.,
F.Inst.P. Lectr.

Burgoyne, J. H., D.Sc., Ph.D.,
D.I.C. Lectr.

Richardson, J. F., B.Sc. (Eng.)
Lectr.

Stephan, Thea R., M.Sc. Syd.
Asst. Lectr.

Saunders, H. L., Ph.D. Liv.
Sp. Lectr.

Chemistry

Briscoe, H. V. A., D.Sc., D.I.C.,
F.R.I.C.

(Inorg. C.) Prof., Director
of Inorg. and Phys.
Chem. Labs.

Hellbron, Sir Ian M., D.S.O.,
Ph.D. Leipz., D.Sc., LL.D.
Glas., F.R.I.C., F.R.S.

(Org. C.) Prof. and Direc-
tor of Org. Chem. Labs.

Eldridge, A. A., B.Sc., F.R.I.C.
Asst. Director

Asst. Profs. and Univ. Readers
Theobald, L. S., M.Sc., F.R.I.C.
(Analyt. C.)

Tompkins, F. C., Ph.D. Brist.
(Phys. C.).

Senior Lecturers
Eldridge, A. A., B.Sc., F.R.I.C.
(Inorg. Chem. and Food and
Drugs).

Cook, A. H., D.Sc., Ph.D., F.R.I.C.
(Org. C.).

Lecturers
Bull, P. C., D.S.O.
Pollard, A. G., B.Sc., D.Sc.,
F.R.I.C.

Roberts, E. R., Ph.D., D.I.C.
Kitchenner, J. A., Ph.D.

Welch, A. J. E., Ph.D., D.I.C.
Winter, E. R. S., Ph.D., D.I.C.

Carlton, Margaret, Ph.D.
Hannen, J. T., M.A.

Owen, L. N., Ph.D., F.R.I.C.
Braude, E. A., Ph.D.

Weedon, B. C. L., Ph.D., D.I.C.
Downer, J. D., B.Sc.

Asst. Lecturers
Bockris, J. O'Mara, Ph.D.
Herringshaw, J. F., Ph.D.

Atkinson, B., B.Sc.
Payne, D. S., Ph.D.

Cornfield, A. H., M.Sc., D.I.C.

Demonstrators
Archer, B. L., B.Sc.
Dalziel, Mary E., B.Sc.

David, I., B.Sc.
Billimoria, J. D., M.Sc. Bom.

Engineering, Civil
Pippard, A. J. S., M.B.E., D.Sc.,
F.R.Ae.S.

Prof. and Hd. of Dept.
Baker, A. L. L., B.Tech.

Prof. of Concrete Technol.
White, C. M., D.Sc. (Eng.), Ph.D.

Prof. of Fluid Mechanics
and Hydraulic Engin.

- Skempton, A. W., M.Sc. (Eng.), D.I.C.
Asst. Prof. and Univ. Reader.
- Sparkes, S. R., M.Sc. Bristol, Ph.D., D.I.C.
Asst. Prof. and Univ. Reader.
- Stephenson, A., O.B.E., M.A. Camb.
Asst. Prof. and Univ. Reader.
- Manton, B. G., B.Sc. (Eng.), D.I.C. Sr. Lectr.
- Duncan, J. E., B.Sc. (Eng.) Lectr.
- Ashby, R. J., M.Sc. (Eng.), D.I.C. Lectr.
- Hutton, S. P., M.Eng. Lectr.
- Francis, J. R. D., B.Sc. (Eng.) Lectr.
- Ainsworth, H., M.A. Camb. Lectr.
- Bishop, A. W., M.A. Camb. Lectr.
- Chitty, Letitia, M.A., D.I.C., F.R.Ae.S. Lectr.
- Engineering, Electrical*
- Jackson, W., D.Sc. Manc., D.Phil. Ox. Prof. and Hd. of Dept.
- Rushton, A., M.Sc. Manc. Asst. Prof. and Univ. Reader.
- Urwin, C. R. Sr. Lectr.
- Hopkin, D. W. Sr. Lectr.
- Tombs, D. M., M.Sc. (Eng.), D.I.C. Lectr.
- Burnett, J. M., B.A. Ox. Lectr.
- Park, H. E. Lectr.
- Rutenberg, D., B.Sc. Lectr.
- Jackson, E. H. T., D.F.H. Lectr.
- Lamb, J., Ph.D., M.Sc. Lectr.
- Humphrey Davies, M. W., M.Sc. Wales Lectr.
- Cherry, E. C., M.Sc. (Eng.) Lectr.
- Thomas, R. V., B.Sc. (Eng.) Asst. Lectr.
- McKenna, M. F., B.Sc. Asst. Lectr.
- Prigmore, B. J., M.A. Camb. Asst. Lectr.
- King, P. H., B.Sc. Manc. Asst. Lectr.
- Engineering, Mechanical*
- Saunders, O. A., M.A. Camb., D.Sc. (Eng.), F.Inst. P. Prof. and Hd. of Dept.
- Howard, J. V., D.Sc. (Eng.) Asst. Prof. and Univ. Reader.
- Heywood, H., D.Sc. (Eng.), Ph.D. Asst. Prof. and Univ. Reader.
- Fishenden, Margaret, D.Sc., F.Inst.P. Asst. Prof. and Univ. Reader.
- Dyson, F., B.Sc. (Eng.) Sr. Lectr.
- Collins, W., B.Sc. (Eng.) Sr. Lectr.
- Cawley, G. M. Sr. Lectr.
- Glaister, E. E., M.Sc. (Eng.), D.I.C. Sr. Lectr.
- Lewitt, E. H., Ph.D. Lectr.
- James, J. W., Ph.D., D.I.C. Lectr.
- Hoyle, R. D., B.A. Camb. Lectr.
- Treharne, T. L. G., B.Sc. (Eng.) Lectr.
- Beal, A. E. Lectr.
- Chalk, J. T., M.Sc. Lectr.
- Cole, E. H., B.Sc. (Eng.) Asst. Lectr.
- Moore, N. P. W., B.Sc. (Eng.) Asst. Lectr.
- Oppenheim, A. K., Ph.D., D.I.C. Asst. Lectr.
- Grootenhuis, P., B.Sc. (Eng.) Asst. Lectr.
- Mode, W. F., Dip. Ing. Berlin Sp. Lectr.
- Barwell, F. T., Ph.D., D.I.C. Sp. Lectr.
- Rowell, H. S., O.B.E., D.Sc. Sp. Lectr.
- Entomology, v. Zoology*
- Fuel, v. Chemical Engin. and Applied Chemistry*
- Geology*
- Read, H. H., D.Sc., F.G.S., F.R.S. Prof. and Hd. of Dept.
- Illing, V. C., M.A. Camb., F.R.S. Prof. of Geology (Oil Technology).
- Williams, D., Ph.D., M.Sc., B.Eng., D.I.C., F.G.S. Asst. Prof. and Univ. Reader.
- Shackleton, R. M., Ph.D., F.G.S. Sr. Lectr.

Broughton Edge, A. B., B.Sc., D.I.C. Hon Lectr.
 Blyth, F. G. H., M.Sc., D.I.C., F.G.S. Lectr.
 Coomber, S. E., B.Sc. Lectr.
 Wilson, G., M.Sc., Ph.D., D.I.C., F.G.S. Lectr.
 Hobson, G. D., Ph.D., D.I.C. Lectr.

Leech, J. G. C., D.I.C., F.G.S. Lectr.
 Jones, F., T.D., Ph.D., M.Sc., F.G.S. Lectr.
 Webb, J. S., Ph.D., D.I.C. Lectr.
 Thomas, G., B.Sc. Asst. Lectr.
 Carter, D. J., B.Sc. Asst. Lectr.
 Pitcher, W. S., B.Sc., F.G.S. Demr.

Geophysics, Applied, v. Physics

Mathematics and Mechanics

Levy, H., M.A., D.Sc. Ox., D.Sc. Edin. Prof. and Hd. of Dept.
 Jones, H., Ph.D. Leeds and Camb. Prof.
 Bickley, W. G., D.Sc. Prof.

Asst. Profs. and Readers

Kebby, C. H., M.Sc.
 Price, A. T., M.Sc.
 Barnard, G. A., M.A. Camb.

Senior Lecturer

Roth, L., M.A. Camb.

Lecturers

Dickson, T. W., M.C., B.A.
 Hatley, A. J., M.A.
 Preidel, E. E., M.Sc.
 Allen, D. N. de G., M.A. Ox.
 Lloyd, E. H., Ph.D., D.I.C.
 Whitrow, G. J., M.A. Ox., D.Phil.
 Talbot, A., M.A. Camb.
 Mautner, A. J., B.Sc.

Asst. Lecturers

Brooker, R. A., B.Sc.
 Burns, Yvonne E., M.Sc.
 Drabble, J. R., B.Sc.
 Hepner, W. A., Ph.D. Edin.
 Lang, Eleanor D., M.A.

Rushton, S., M.A. Ox., B.Sc., D.I.C.

Young, Rosalind C. H., Ph.D.
 Demonstrators

Gordon, K. C. T., B.Sc.
 Greenwood, Olive M. G., B.Sc.
 Chorlton, F., B.Sc.
 Hulbert, S. G., B.Sc.

Metallurgy

Dannatt, C. W., D.I.C., F.R.I.C. Prof. and Hd. of Dept.
 Fisher, M. S., D.Sc., Ph.D. Asst. Prof. and Univ. Reader.
 Yeoman, E. W., M.Sc., D.I.C., F.R.I.C. Asst. Prof. and Univ. Reader.
 Chapple, H. M. Sr. Lectr.
 Harris, R. H., B.Sc. (Eng.) Lectr.
 Pearse, L. E. B., F.R.I.C. Lectr.
 Noakes, F. D. L., B.Sc. (Eng.) Lectr.

Tweeddale, J. G. Lectr.
 Thomas, D. L., B.Sc. Wales Lectr.
 Selve, F. L., F.R.I.C. Asst. Lectr.
 Phillips, E., B.Sc. Wales Asst. Lectr.

Meteorology

Brunt, D., M.A. Camb., Sc.D., F.R.S. Prof. and Hd. of Dept.
 Sheppard, P. A., B.Sc., F.Inst.P. Asst. Prof. and Univ. Reader.
 Miles, M. K., M.Sc., D.I.C. Lectr.
 Eady, E. T., B.A. Camb. Lectr.

Mineralogy, v. Geol.

Mining

Ritson, J. A. S., D.S.O., M.C., O.B.E., T.D., B.Sc. Durh. Prof. and Hd. of Dept.
 Sillick, W. E. G., D.I.C. Asst. Prof.

Senior Lecturers

Davies, W., B.Sc. Wales, Ph.D. Leeds.
 Sheppard, J. S., O.B.E., B.Sc. (Eng.).

Lecturers

Pryor, E. J., D.I.C.
 Jennings, H., B.Sc.

IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY 189

Thomas, T. L., M.B.E., B.Sc.
Fleming, M., B.Sc.
Richardson, J. B.

Mining Geology, v. Geology

Oil Technology, v. Geol.

Palæontology, v. Geol.

Petrology, v. Geol.

Physics

Thomson, Sir George P., M.A.
Camb., F.R.S.
Prof. and Director of Labs.
Martin, L. C., D.Sc., D.I.C.
Prof. of Tech. Optics.
Gregory, H. S., Ph.D., D.I.C.
Asst. Prof. and Univ. Reader.
Wynn-Williams, C. E., D.Sc.
Camb.
Asst. Prof. and Univ. Reader.
Pearse, R. W. B., D.Sc., Ph.D.,
D.I.C.
Asst. Prof. and Univ. Reader.
Wright, W. D., D.Sc., D.I.C.
Asst. Prof. and Univ. Reader.
Jevons, W., D.Sc., D.I.C.
Hon. Lectr.
Stephens, R. W. B., Ph.D., D.I.C.
Sr. Lectr.
Klemperer, O., Ph.D. Berlin
Sr. Lectr.

Lecturers

Bruckshaw, J. McG., M.Sc., Ph.D.,
D.I.C.
Johnson, B. K., D.I.C.
Blackman, M., M.Sc. S.Af., Ph.D.
Gött. and Lond., D.I.C.
Cochrane, W., M.A., Ph.D.
Garton, W. R. S., B.Sc.
Kellner, Charlotte, Ph.D.
Michiels, J. L., Ph.D.
Aharoni, J., Ph.D. Berlin.
Mason, R. G., M.Sc., D.I.C.
Allan, H. R., B.A. Camb.

Asst. Lecturer

Brock, Helen L., B.Sc.

Demonstrators

Nicholls, R. W., B.Sc.
Perry, B. J.
Tomlin, D. H., B.Sc.
Barford, N. C., B.A., B.Sc. Camb.

Refractory Materials and Silicates, v. Chemical Engin.

Technical Optics, v. Physics

Zoology and Applied Entomology

Munro, J. W., M.A. Ox., D.Sc.
Edin.
Prof. and Hd. of Dept.
Hewer, H. R., M.Sc., D.I.C.
Asst. Prof. and Univ. Reader.
Richards, O. W., M.A., D.Sc. Ox.
Asst. Prof. and Univ. Reader.
Page, A. B. P., Ph.D.
Asst. Prof. and Univ. Reader.
Fraenkel, G., Ph.D. Gött. Lectr.
Lubatti, O. F., D.Chem. Turin.
M.Sc. Lectr.
Murray, D. R. P., M.A., Ph.D.
Camb. Lectr.
Gorvett, H., Ph.D. Brist. Lectr.
Waloff, Nadejda, Ph.D. Lectr.
Kermack, Doris M., B.Sc.
Asst. Lectr.
Williams, J. J. W., B.Sc. Demr.

Research Institute in Plant Physiology

Gregory, Prof. F. G., D.Sc., D.I.C.
F.R.S. Director

Research Staff

Bolas, B. D., D.Sc., D.I.C.
Richards, F. J., B.Sc.
Porter, Mrs. Helen K., D.Sc.
Purvis, Olive N., Ph.D.
Heath, O. V. S., D.Sc., Ph.D.
D.I.C.
Mer, C. L., Ph.D.
Barlow, H. W. B., B.Sc. Edin.
Hatcher, E. S. J., Ph.D. Bristol.
Portsmouth, G. B., B.Sc.

Holdsworth, M., Ph.D.
Schwabe, W. W., B.Sc.

Research Staff

Page, A. B. P., Ph D.

Biological Field Station

Lubatti, O. F., D.Chem. Turin,
M.Sc.

Munro, Prof. J. W., M.A. Ox.,
D.Sc. Edin.

Director.

Higgins, A. E. H., D I C.

GENERAL INFORMATION

Founded by Royal Charter in 1907 for the purpose of giving the highest specialized instruction and providing the fullest equipment for the most advanced training and research in various branches of Science, especially in its application to Industry, the Imperial College includes as integral parts the following Associated Colleges with the departments and (in brackets) sub-departments attached to them :

ROYAL COLLEGE OF SCIENCE : Botany (Biochemistry, Plant Physiology, Plant Pathology, Bacteriology); Chemistry (Agricultural Chemistry, Food and Drugs), Inorganic and Physical, Organic; Geology (Mining Geology, Oil Technology); Mathematics and Mechanics; Meteorology; Physics (Astrophysics, Technical Optics, Applied Geophysics); Zoology and Applied Entomology.

ROYAL SCHOOL OF MINES : Metallurgy, Mining, Mining Geology, Oil Technology.

CITY AND GUILDS COLLEGE : Aeronautics (Aerodynamics, Aero-Structures, Aircraft Propulsion); Engineering—Chemical and Applied Chemistry, Civil, Electrical, Mechanical.

The total staff exceeds 200. The College is a School of the University in Science and Engineering. Students who are registered as candidates for one of the Associateships and who have matriculated at the University of London are eligible for the B.Sc. Degree of the University in the Faculties of Science and Engineering, on the courses and examinations for the relative Associateship, if the University's regulations are complied with. The courses of study are designed for students of University standard whose vocations will be concerned with the scientific aspects of industries. The buildings occupy about 8 acres and cost with equipment over £1,000,000. There is also a Field Station at Silwood Park, Sunninghill.

ADMINISTRATION. The administration of the Imperial College is vested in a Governing Body consisting of 50 members representing the Crown, the self-governing Dominions, the Ministry of Education, the University of London, the London County Council, the City and Guilds of London Institute, the Royal Commissioners for the Exhibition of 1851, the Royal Society, the Teaching Staff of the Imperial College, and learned societies concerned with industries. The Rector, as chief administrative officer of the Imperial College, and the three Deans are also members.

LIBRARIES. The Library of the Science Museum is available for the use of Students, and each Dept. is provided with a special Library.

ADMISSION. The conditions of admission are as under, but the College reserves power to admit in special cases candidates whose qualifications do not in every respect coincide with those prescribed, but whose previous training fits them to take full advantage of the course proposed; the prescribed qualifications give no right to admission, but will be considered with others of which

IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY 191

the candidate may give evidence. Intermediate courses are only available for Royal School of Mines students and for those taking Bot., Geol., Physics and Zool. at the Royal College of Science; the requirements for admission are Matriculation standard in Elementary and Additional Mathematics, Physics, Chemistry, English and a foreign language. Candidates for admission to a 2nd yr. course, in addition to satisfying the requirements for the first year, must have reached Intermediate standard; the subjects normally required are Physics, Chemistry, Pure and/or Applied Maths.; for certain courses another subject may be accepted in place of Mathematics. By arrangement with the University the Intermediate may be taken in a limited number of approved cases on the College Examn. in Sept. by candidates who have matriculated. The minimum age for admission is 17. Women are admitted on the same terms as men.

DIPLOMA AND OTHER COURSES. The undergraduate courses extend over 3 or 4 yrs. and lead up to an Associateship (A.R.C.S., A.R.S.M., A.C.G.I.), and, in the case of matriculated students, to the B.Sc. (Special) or B.Sc. (Engineering) Degree as the case may be. The Associateship and the Degree are awarded on the same examinations. The postgraduate courses and research lead up to the Diploma of Membership of the Imperial College (D.I.C.), and to the higher Degrees of the University of London. Special arrangements are made for graduates and persons engaged in scientific industrial pursuits.

FEES. Entrance, £2; Tuition per session (Oct.-June), for full-time undergraduate students, £60 (including Union fees); for part-time, at the rate of £63 per session; for full-time postgraduate students, £30 per session (including Union fees). An additional charge may be made for expensive apparatus or chemicals.

SCHOLARSHIPS for postgraduate work: Beit Fellowship for Scientific Research, £400 p.a. for 2 yrs., open to men and women under 25 holding a degree or approved diploma of any University in the British Empire; Plimmer Fellowship, approx. £200; and others (v. *Calendar*).

AFFILIATION, ETC. The University of Sheffield is associated with the College for Advanced Studies in the Metallurgy of Iron and Steel.

APPOINTMENTS BOARD. The College Appointments Board assists Associates and Members of the College to find employment on the completion of their College courses.

HOSTEL. There is a residential hostel at the College, with accommodation for 100 students, at £12-£14 per term. Meals are provided by the Refectory at about 5s. per day, at present. Enquiries should be addressed to the Hostess, Imperial College Hostel. There is also a Hall of Residence at 50 Holland Park, with accommodation for 15 students.

STUDENTS' UNION. The Imperial College Union building in Prince Consort Road is the home of the various student organizations, including the Imperial College Union, the Royal College of Science Union, the Royal School of Mines Union, the City and Guilds College Union, and a large number of Societies and Athletic Clubs. There is a College Refectory in the building, and a College Bookstall.

PUBLICATIONS. *Annual Report*; *Calendar*; *Prospectus*; Careers Pamphlets.

THE YEAR 1946-47

BENEFACTIONS. £1500 p.a. for seven yrs. from Oil companies for training and research in Geophysical Prospecting.

NEW POSTS. Chair in Mathematics; Readerships in Fuel Technology, Metallurgy, Mathematical Statistics, Soil Mechanics, Mathematics, Physical Chemistry, Applied Heat, Civil Engineering and Mining Geology.

RETIREMENT. Prof. W. R. Jones (Prof. Mining Geol.)

DEATHS. Sir Thomas H. Holland, Rector of the Coll. from 1922 to 1929. Prof. W. W. Watts, Professor of Geology from 1906 to 1930.

STUDENTS. Total: 1559; full-time: 1387; part-time: 172; the total includes 78 women and 614 postgraduates. In addition: 87 Research Assistants and 14 Intercollegiate students.

DEGREES OBTAINED. B.Sc. in Science, 109; in Engineering, 136; higher degrees in Science: D.Sc., 6; Ph.D., 33; M.Sc., 8; higher degrees in Engineering: Ph.D., 7; M.Sc., 2.

DIPLOMAS GRANTED. A.R.C.S., 92; A.R.S.M., 40; A.C.G.I., 106; D.I.C., 161. Total: 399.

QUEEN MARY COLLEGE (UNIVERSITY OF LONDON)

Founded 1888

Mile End Road, E.1.
Telephone : Advance 4211.

CHAIRMAN OF THE GOVERNORS—SIR ALBERT STERN, K.B.E., C.M.G.,
M.A.

PRINCIPAL—B. IFOR EVANS, M.A., D.Lit.

REGISTRAR—Lieut.-Colonel R. P. TONG, O.B.E., M.A. Camb.

TEACHING STAFF

Aeronautical Engineering

Piercy, N. A. V., D.Sc. (Eng.),
F.R.Ae.S. Reader.
Whitehead, L. G., B.Sc. (Eng.),
Ph.D. Lectr.

Botany

Fritsch, F. E., Ph.D. Mün., D.Sc.,
F.R.S. Prof.
Haines, F. M., B.Sc., Ph.D., D.Sc.
Reader.
Newby, H. V., B.Sc. Lectr.
Godward, Maud B. E., M.Sc.,
Ph.D. Lectr.
Wanstall, P. J., B.Sc. Demr.

Chemistry

Partington, J. R., M.B.E., D.Sc.
Manc. Prof.
Jones, D. C., D.Sc. Wales, Ph.D.
Johns Hopkins Reader.
Hickinbottom, W. J., M.Sc., Ph.D.,
D.Sc. Birm., F.R.I.C.
Reader.

Lecturers

Bury, F. W., M.Sc. Manc., F.R.I.C.
Petrow, V., B.Sc., Ph.D., D.Sc.,
F.R.I.C.
French, Cecilie M., B.Sc., Ph.D.,
F.R.I.C.
Lindop, N., B.Sc.
Hudson, R. F., B.Sc., Ph.D.

Demonstrator

Neville, H. H., M.A., B.Sc. Aberd.

Classics

Laidlaw, W. A., M.A., Litt.D. Dub.
Reader.

Mozley, J. H., M.A. Camb. Lectr.

Denny, G. A. W., M.A. Camb.

Lectr.

Todd, Janet G., M.A. Glas. Lectr.

Engineering, Civil and Mechanical, v. also Aero. Eng.

Giffen, E., D.Sc. Lond., M.Sc.
Belf., Ph.D. Prof.

King, J. W. H., M.Sc. Manc.

Reader.

Lecturers

Brendel, F. C. L., B.Sc., Ph.D.
Hampson, H., M.Sc. (Tech.) Manc.
Daniel, A. W. T., M.A. Camb.
Webb, C. R., B.Sc. (Eng.).

Engineering, Electrical

John, W. J., B.Sc., D.I.C. Prof.
Stoner, C. R., B.Sc. Reader.

Lecturers

Tropper, H., Dip.Ing. Vienna,
Ph.D.

Lewis, T. J., B.Sc. (Eng.), Ph.D.

English Lang. and Lit.

Sutherland, J. R., M.A. Aberd.,
B.Litt. Ox. Prof.

Lecturers		Chew, Helena M., M.A., Ph.D.	
Evans, B. Ifor, M.A., D.Lit.			Lectr.
Callan, N. R., M.A. Camb.		Hurstfield, J., B.A.	Lectr.
Timmer, B. J., Ph.D. Gröningen		<i>Mathematics, Pure and Applied</i>	
Northend, Marjorie, M.A.		Green, S. L., M.Sc.	
Ingram, E. Guendolen, M.A.		Actg. Hd. of Dept.,	Lectr.
Freeman, Rosemary, M.A., Ph.D.		Soal, S. G., M.A., D.Sc.	Lectr.
Camb.		Allen, H. S., Ph.D., M.Sc., B.Sc.	Lectr.
<i>French Lang. and Lit.</i>			Lectr.
Dechamps, J., D. ès L. & Ph.		Blaney, J. H., M.Sc.	Lectr.
Liège, Ch.L.	Prof.	Tropper, A. Mary, M.Sc.	Lectr.
Rozelaar, L. A., M.A.	Lectr.	Chirgwin, B. H., M.A. Ox.	Lectr.
Cammaerts, E. C. B. E., LL.D.		Gliddon, J. E. C., M.Sc.	Lectr.
	Lectr.	Hall, R., B.Sc.	Lectr.
Derôme, R., M.A. Georgia, L. ès L.		<i>Physics</i>	
Sorbonne	Lectr.	Robinson, H. R., Ph.D. Camb.,	
<i>Geography</i>		D.Sc. Manc., F.R.S.	Prof.
Crowe, P. R., B.Sc. (Econ.), Ph.D.		Andrews, J. P., D.Sc.	Asst. Prof.
	Reader.	Lecturers	
Mutton, Alice F. A., M.A., Ph.D.		Irons, E. J., D.Sc., Ph.D.	
	Lectr.	Leech, J. W., B.Sc., Ph.D.	
Sparks, B. W., B.A.	Lectr.	Barker, J. R., B.Sc.	
<i>Geology</i>		Heastie, R., B.Sc.	
Kirkaldy, J. F., B.Sc., M.Sc.,		<i>Spanish</i>	
Ph.D.	Reader.	Barragán, J. V.	Lectr.
<i>German Lang. and Lit.</i>		<i>Zoology</i>	
Hatto, A. T., M.A.	Reader.	Grove, A. J., M.A. Camb., D.Sc.	
Gilbert, Mary E., Ph.D. Berlin		Birm.	Prof.
	Lectr.	Newell, G. E., B.Sc., Ph.D.	Lectr.
Rudenberg, W.	Lectr.	Forrest, J. E., B.Sc. Edin.	Lectr.
<i>History, Modern</i>		Chapman, G., B.A. Camb.	Lectr.
Clarke, F., M.A. Ox.	Prof.	Werth, Irene, B.A. Ox	Lectr.

GENERAL INFORMATION

Established 1888. Governed by Governors who include the Master and Clerk of the Drapers' Company and representatives of the L.C.C., the Univ. and the Staff. A School of the Univ. in Arts, Science and Engin. Students proposing to take the Medical course at the London Hospital are offered special facilities for carrying on their studies for the Prelim. Med. Examn. Special Research LABORATORIES in Physics, Chem., Elec. Engin. Degree courses in Arts, Science, Engin. (including Aeronautical Engin.), and Med. Fees from £30 : 2 : 6. Hall of Residence for men students at South Woodford (Warden : B. H. Chirgwin, M.A.), and Hall of Residence for women at South Woodford (Warden : Miss G. A. Burrows); residence and partial board, 50s. per week. Union Society. Old Students' Association. Sports Grd. and Staff House, Dytchleys, Coxtie Green, nr. Brentwood, Essex.

ENTRANCE SCHOLARSHIPS AND EXHIBITIONS. These include six Scholarships (4 for men, 2 for women), value £75 p.a., and four Exhibitions, value £40 p.a., all for 3 yrs., awarded by the Drapers' Company in Feb. of each year on the result of the Inter-Collegiate Scholarships Examn. The Governors award ten College Exhibitions, value £40 p.a. for 3 yrs., on the result of the same examn. All these awards are eligible for supplementation by the Ministry of Education under the University Supplemental Awards Scheme.

PUBLICATIONS. *Prospectus*; *Calendar*; *The Leopardess*, *The Cub* (Student publications).

THE YEAR 1946-47

RETIREMENTS. Dr. H. D. K. Drew (Chem.); Miss E. C. Halket (French); Mr. H. C. Smith (Geog. and Geol.); Mr. G. S. Le Beau (Maths.).

RESIGNATIONS. Mr. N. Davies (English), on appt. to Brasenose Coll., Oxford; Dr. J. H. G. Lebon (Geog.), on appt. as Prof. of Geog., Univ. of Ceylon; Mr. D. B. Scott (Maths.), on appt. to Marischal Coll., Aberdeen.

DEATHS. Emeritus Prof. E. H. Lamb (Civ. and Mech. Engin.); Dr. A. L. Higgins.

STUDENTS. Total: 783; full-time: 758; part-time: 25; the total includes 256 women and 83 postgraduates.

DEGREES OBTAINED. B.A., 42; B.Sc., 65; M.Sc., 1; Ph.D. (Sci.), 2; B.Sc. (Eng.), 40; Ph.D. (Eng.), 1.

BIRKBECK COLLEGE

Founded 1823

Fetter Lane, E.C.4.

Telephone : Holborn 2245 and 5555.

PATRONS—H.M. THE KING ; H.M. THE QUEEN ; H.M. QUEEN MARY.
 PRESIDENT OF THE COLLEGE—Field Marshal The Rt. Hon. EARL
 WAVELL, G.C.B., G.C.S.I., G.C.I.E., C.M.G., M.C., LL.D.
 CHAIRMAN OF THE GOVERNORS—Deputy ALFRED KING-HAMILTON.
 MASTER—H. GORDON JACKSON, D.Sc.
 CLERK TO THE GOVERNORS—G. F. TROUP HORNE, B.A.
 REGISTRAR AND SENIOR TUTOR—DOUGLAS DAKIN, M.A., Ph.D.
 LIBRARIAN—JOSEPH W. SCOTT, B.A.

TEACHING STAFF

Botany

Ingold, C. T., D.Sc. Belf., F.L.S. Prof.*
 Steward, F. C., M.Sc., Ph.D. Leeds, D.Sc. Reader.
 Wilson, K., M.Sc., Ph.D. Lectr.
 Plunkett, B. E., B.Sc. Lectr.
 Rosser, Effie M., B.Sc. Wales Lectr.

Winnington-Ingram, R. P., M.A. Camb. Reader.
 Way, A. G., M.A. Lectr.
 Whiteley, J. L., M.A., Ph.D. Lectr.

Dutch

Weevers, Th., Lit.D. Leiden Prof.
English Lang. and Lit.
 Tillotson, G., M.A., B.Litt. Ox.

Chemistry

Wardlaw, W., D.Sc. Durh., F.R.I.C. (Phys. Chem.) Prof.*
 Ives, D. J. G., D.Sc., Ph.D., F.R.I.C. Reader.
 Rydon, H. N., D.Phil. Ox., D.Sc., Ph.D., F.R.I.C. (Organ. Chem.) Reader.
 Rigby, W., B.Sc., Ph.D. Lectr.
 Pittman, R. W., B.Sc. Lectr.
 Bowman, R. E., B.Sc., Ph.D. Lectr.

(Lit.) Prof.*
 Daunt, B. Marjorie, Final Eng. Hons. Ox. (E. Lang.) Reader.
 Freeman, Rosemary, M.A., Ph.D. Camb. Lectr.
 Brooks, H. F., M.A., B.Litt., D.Phil. Ox. Lectr.
 Davidson, Hilda, B.A., Ph.D. Camb. Lectr.†
 Evison, Vera I., B.A. Lectr.†

French Lang. and Lit.

Immerwahr, W. A., B.Sc. Lectr.
 Bartley, W. G., B.Sc. Lectr.
 3 Demrs.

Simons, Mrs. Claudine I., M.A. Aberd., Ph.D.
 Acting Hd. of Dept., Reader.

Classics and Ancient History

Warrington, E. H., M.A. Camb., F.R.Hist.S. Prof.*

Ross, D. J. A., B.A. Camb., M.A., Ph.D. Reader.
 Gould, Mrs. Marjorie, B.A. Lectr.†

* Head of Dept.

† Pt.-time Lectr.

Aubry, Alice, L. ès L. Clermont-
Ferrand, Ph.D. Lectr.
Tranchepain, Jacques L. A.,
L. ès L. Paris Lectr.†

Geography

East, W. G., M.A. Camb. Prof.*
Henderson, H. C. K., M.A., B.Sc.
Glas., Ph.D. Lectr.
Cornish, R. T., B.Sc. Lectr.
Campbell, Eila M. J., M.A. Lectr.

Geology

Davies, G. M., M.Sc., F.G.S.
Reader.*
Spath, L. F., D.Sc., F.R.S., F.G.S.
Lectr.
Seager, A. F., B.Sc., F.G.S. Lectr.

German

McClean, R. J., Ph.D. Königsberg,
M.A. Reader.*
Robson-Scott, W. D., M.A. Ox.,
Ph.D. Vienna Lectr.
Hamilton, Johanna, Ph.D. Bonn
Lectr.

History

Darlington, R. R., Ph.D. Reading,
B.A. Prof.*
Graham, G. S., M.A. Ont., Ph.D.
Camb., F.R.Hist.S. Reader.
Dakin, D., M.A. Camb., Ph.D.
Lectr.
Ruddock, Alwyn A., B.A., Ph.D.
Lectr.
Hobsbawm, E. J., M.A. Camb.
Lectr.

History of Art

Pevsner, N. B. L., Ph.D. Leipzig
Lectr.

Italian

Bassani, A. M., D.Sc. Naples Lectr.

Mathematics, Pure and Applied

Dienes, P., D.Ph. Budapest,
D. ès Sc. Paris Prof.*
Cooke, R. G., D.Sc. Reader.
Loève, M. M., D. ès Sc. Paris
Reader.
Fox, C., M.A. Camb., D.Sc. Lectr.

Cooper, J. L. B., B.Sc. Cape T.,
B.A., D.Phil. Ox. Lectr.
Tiffen, R. W., B.Sc. Lectr.
Klein, G., B.Sc. Lectr.
Edwards, R. E., B.Sc. Manc.
Lectr.

Vermes, P., B.Sc., Ph.D. Lectr.†

Philosophy, Logic and Ethics

Joad, C. E. M., M.A. Ox., D.Lit.
Reader.*
Saw, Ruth L., B.A., Ph.D. Lectr.
Peters, R. S., B.A. Ox., B.A.
Lectr.†

Physics

Bernal, J. D., M.A. Camb., F.R.S.
Prof.*
Fürth, R., Dr.Phil. Prague,
F.Inst.P. (Theoret. Phys.)
Reader.
Nettleton, H. R., D.Sc. Lectr.
Siday, R. E., B.Sc. Lectr.
George, E. P., B.Sc., Ph.D. Lectr.
Wright, F. I., B.Sc., Ph.D. Leeds,
F.Inst.P. Lectr.
Cusack, N. E., B.Sc. Lectr.
8 Demrs.

Psychology

[Prof.*
Mace, C. A., M.A. Camb., D.Lit.
Bartlett, R. J., M.Sc. Lectr.†
Hadfield, J. A., M.A. Ox., M.B.,
Ch.B. Edin. Lectr.†
Smith, May, O.B.E., M.A. Manc.,
D.Sc. Lectr.†
Smith, F. V., M.A. Syd. Lectr.†
Rodger, A., M.A. Camb. Lectr.†
Geddes, W. R., M.A. N.Z. Lectr.
Peters, R. S., B.A. Ox., B.A.
Lectr.†

4 Demrs.

Zoology

Graham, A., M.A., B.Sc. Edin.,
D.Sc. Prof.*
Jackson, H. G., D.Sc. Liv. Lectr.†
Fretter, Vera, B.Sc., Ph.D. Lectr.
Hughes, T. E., M.A. Ox. Lectr.
3 Demrs.

GENERAL INFORMATION

Founded 1823 by Dr. George Birkbeck "for the purpose of giving education to students in the principles of the Arts they practise, and in the various branches of Science and useful knowledge." A School of the Univ. in Arts and Science for evening and part-time students in full-time paid employment during the day and full-time postgraduate students. Playing Fields (18 acres) at Greenford.

LIBRARY. 30,415 vols., including special Science Departments, at the end of Session 1946-47.

COURSES. Complete courses for degrees in Arts and Science, for the Academic Diplomas in Geography and Psychology and for the Inst. of Chemistry exams.

FEES. Annual Composition fees, including subscription to Students' Union : Arts (including Mathematics in both Faculties), £11. Science (incl. Geography and Psychology in both Faculties), £13:10s. Postgraduate work, evening and part-time, £5-£11, whole time, £7:10s.-£22 according to Faculty and Degree.

PUBLICATIONS. *Calendar*, 2s. 6d.; *Report* (annual); *Haldane Memorial Lecture*, 1s. 9d.; *Foundation Oration*; *Inaugural Lectures*, 1s. 9d.; *Inter-Faculty Lectures*, 1s. 9d.; *Lodestone*, 6d. (Students, terminally).

THE YEAR 1946-47

The outstanding feature of this Session was the resumption of work, discontinued since June 1940, on the new building in Malet Street in June 1947. The Faculty of Arts, including the Dept. of Mathematics, continued to occupy accommodation in the Institute of Education, the School of Oriental and African Studies and London School of Hygiene and Tropical Medicine. In Breams Buildings repairs of bomb damage to the main College premises have given to the Physics and Chemistry Depts. a little more laboratory space, while, at the beginning of the Session the Geography and Psychology Depts. were able to move into pre-fabricated huts erected on a site adjoining the College. The damaged theatre was once more made available during the summer months.

In order to guard against the temporary geographical separation of Arts and Science developing into a lasting disunity, Inter-Faculty Lectures were held in the Autumn and Spring terms and these were well attended by staff and students of each Faculty. The Foundation Oration was given by Lord Justice Oaksey on the subject of the Nuremberg Trials, over which he (as Lord Justice Lawrence) presided, and the Haldane Memorial Lecture by Sir Fred Clarke on "The Cultural Significance of the Dominions."

STUDENTS. Total: 1249; full-time: 36; part-time: 1213; the total includes 515 women and 52 postgraduates.

DEGREES. B.A., 58; M.A., 8; Ph.D. (Arts), 5; B.Sc., 46; M.Sc., 5; Ph.D. (Sci.), 4.

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

Founded 1895

Houghton Street, Aldwych, London, W.C.2.
Telegrams : " Poleconics, Estrand," London.
Telephone : Holborn 7686.

CHAIRMAN OF COURT OF GOVERNORS—Sir OTTO NIEMEYER, G.B.E.,
K.C.B., B.A.

VICE-CHAIRMAN—Sir DOUGAL O. MALCOLM, K.C.M.G., M.A.

DIRECTOR—Sir ALEXANDER CARR-SAUNDERS, M.A. Ox., LL.D. Glas.,
Litt.D. Dub., F.B.A.

SECRETARY—Miss E. V. EVANS, B.A.

REGISTRAR—Miss E. M. THORPE, B.Sc. (Econ).

LIBRARIAN—G. WOLEDGE, B.A.

TEACHING STAFF

Accountancy

Baxter, W. T., B.Com. Prof.
Solomons, D., B.Com. Lectr.
1 Asst. Lectr.

Anthropology, Social

[Prof.
Firth, R. W., M.A. N.Z., Ph.D.
Richards, Audrey I., M.A. Camb.,
Ph.D. Reader.
Leach, E. R., M.A. Camb., Ph.D.
Lectr.
Little, K. L., M.A. Camb., Ph.D.
Lectr.

Banking, Currency and Public Finance

Sayers, R. S., M.A. Camb. Prof.
Tress, R. C., B.Sc. (Econ.) Reader.
Bareau, P. L. J., B.Com. (S.).

Business Administration

Plant, Sir Arnold, B.Sc. (Econ.),
B.Com. Cassel Prof.

Colonial Studies

Mair, Lucy P., M.A. Camb., Ph.D.
Reader.
Wraith, R. E., B.Com. Birm.
Organizer of Studies.
Borke, Mrs. M. (S.).

Commerce and Industry, v. also Law, Transport

Meade, J. E., C.B., M.A. Ox. Prof.
Paish, F. W., M.A. Camb.
Cassel Reader.
Anstey, Vera, D.Sc. (Econ.)
Cassel Reader.
Edwards, R. S., B.Com.
Cassel Reader.
Brown, F., B.Sc. (Econ.) Reader.
Thirlby, G. F., B.Com. Lectr.
Yamey, B. S., B.Com. Cape T.
Lectr.

(S.) = Special Lectr., not on the School Staff.

Criminology

Mannheim, H., Dr.Jur. Königs-
berg Reader.

Demography

Glass, D. V., B.Sc. (Econ.), Ph.D.
Reader.

Economics

Robbins, L., C.B., M.A. Ox., B.Sc.
(Econ.), F.B.A. Prof.

Hayek, F. A., Dr.Jur., Dr.Sc. Pol.
Vienna, D.Sc. (Econ.), F.B.A.
Tooke Prof.

Phelps Brown, E. H., M.B.E.,
M.A. Ox. Prof.

Coase, R. H., B.Com. Reader.

Bauer, P. T., M.A. Reader.

Radomysler, A., B.Sc. (Econ.)
Lectr.

Morgan, D. J., B.Sc. (Econ.)
Lectr.

Hutchison, T. W., M.A. Camb.
Lectr.

Wilson, J. S. G., B.A. Lectr.

Croome, Mrs. Honor, B.Sc. (Econ.)
(S.).

2 Asst. Lectrs.

English (as a foreign language)

Chapman, R., B.A. Ox.
Asst. Lectr.

*Ethnology, v. Anthropology**Finance, v. Banking**French, v. Modern Languages**Geography, v. also Commerce*

Stamp, L. D., C.B.E., B.A., D.Sc.
Prof.

Beaver, S. H., M.A.
Cassel Reader.

Morgan, F. W., M.A. Camb.
Lectr.

Harrison-Church, R. J., B.Sc.
(Econ.), Ph.D. Lectr.

Spate, O. H. K., M.A., Ph.D.
Camb. Lectr.

Rawson, R. R., B.Sc. Wales Lectr.
1 Asst. Lectr.

*German, v. Modern Languages**History, Economic, v. also Politics*

Tawney, R. H., B.A. Ox., Litt D.
Manc, D. ès L. Paris, F.B.A.
Prof.

Ashton, T. S., M.A. Manc. Prof.

Beales, H. L., M.A. Manc. Reader.

Judges, A. V., B.A. Reader.

Fisher, F. J., M.A. Reader.

Connell, K. H., B.Sc. (Econ.)
Lectr.

Carus-Wilson, Eleonora M., M.A.
Lectr.

Carter, Mrs. A. M., M.A. (S.).

International History

Toynbee, A. J., B.A., D.Litt. Ox.
and Birm., F.B.A.

Stevenson Research Prof.

Webster, Sir Charles, K.C.M.G.,
M.A., Litt.D. Camb., F.B.A.

Stevenson Prof.

Robinson, L. G., M.A. Ox. Reader.

1 Asst. Lectr.

International Relations

Manning, C. A. W., M.A., B.C.L.
Ox. Montague Burton Prof.

Chambers, F. P., M.A. Camb.
Lectr.

Tunstall, W. C. B., M.A. Camb.
Lectr.

2 Asst. Lectrs.

*Law, v. p. 244**Logic and Scientific Method*

Popper, K. R., M.A. N.Z., Ph.D.
Vienna Reader.

Wisdom, J. O., Ph D. Dub.
Lectr.

Modern Languages

Rose, W., M.A. Birm., Ph.D.
(German) Cassel Reader.

- Scott-James, Mrs. Paule H. J., B.Litt. Ox. Lectr.
 5 Asst. Lectrs., 3 Assts.
- Physiology*
 Cullis, Prof. Winifred (S.).
- Politics and Public Administration*
 Laski, H. J., M.A. Ox. Prof.
 Robson, W. A., B.Sc. (Econ.), Ph.D., LL M. Prof.
 Smellie, K. B., B.A. Camb. (Pub. Admin.) Reader.
 Greaves, H. R. G., B.Sc. (Econ.) Lectr.
 Pickles, W., M.A. Leeds Lectr.
 2 Asst. Lectrs.
- Psychology, Social and Industrial*
 Blackburn, J. M., Ph.D. Camb., B.Sc. (Econ.) Lectr.
 Himmelweit, Hilde., M.A. Camb., Ph.D. (S.).
 Raphael, Mrs. W., B.Sc. (S).
 1 Asst.
- Social Science and Administration*
 Marshall, T. H., C.M.G., M.A. Camb. Prof.
 Eckhard, Edith V., M.A. Camb. Sr. Tutor.
 Britton, Claire Lectr.
 Cockburn, Christine, M.A. Aberd. Lectr.
 Judd, Mrs. Helen O., M.A. Edin. Lectr.
 Kydd, Jessie A., M.B.E., M.A., B.Comm. Edin. Lectr.
 Sear, Beatrice N., B.A. Camb. Lectr.
 Shaw, Lullie A. E., B.A. Lectr.
 Willoughby, Gertrude, M.A. Sheff., D. de l'U. Paris Lectr.
- (S.) = Special Lectr., not on the School Staff.
- Younghusband, Eileen, M.B.E. Lectr.
 4 Asst. Lectrs.
- Lecturers for Course in Mental Health
 McDougall, Mrs. Kate F. Lectr.
 Joseph, B. Lectr.
 Gardner, E. M., M.A. (S.).
 Gillespie, W. H., M.D., M.B., Ch.B. (S.).
 Guttman, E., M.D. (S.).
 Hilliard, L. T., M.A., M.B. (S.).
- Sociology*, v. also Anthropology
 Ginsberg, M., M.A., D.Lit. Martin White Prof.
 Shils, E. A., M.A. Chicago Reader.
 Chambers, Rosalind C., B.Sc. (Econ.) Lectr.
 4 Asst. Lectrs.
- Statistics*
 Allen, R. G. D., O.B.E., M.A. Camb., D.Sc. (Econ.) Prof.
 Rhodes, E. C., B.A. Camb., D.Sc. Reader.
 Barna, T., B.Sc. (Econ.), Ph.D. (S.).
 Booker, H. S., M.Sc. (Econ.) Lectr.
 Grebenik, E., M.Sc. (Econ.) Lectr.
 1 Asst. Lectr.
- Trade Union Studies*
 Bassett, R., M.A. Ox. Lectr.
 Winterbottom, T. (S.).
- Transport*, v. also Commerce and Law
 Ponsonby, G. J., M.A. Camb. Cassel Lectr.
 Hare, T. B. (S.).
 Wheatcroft, S. F., B.Sc. (Econ.) (S.).

GENERAL INFORMATION

Founded 1895. A School of the Univ. recognized in the Faculties of Economics and Political Science (including Commerce and Industry), of Laws, and of Arts (in History, Geography, Sociology and Anthropology).

Matriculated students are registered as Internal students of the Univ. for all degrees of the Univ. in these faculties. The School also provides instruction for the Diplomas of the Univ. in Anthropology, Psychology, Geography, Public Administration; for Certificates of the School in Social Science and Administration, for Social Workers in Mental Health, in Social Science and Administration (Colonial), and in International Studies, and for Special Courses in Trade Union Studies and Personnel Management.

The School is open on the same terms to men and to women. Classes and lectures are given both in the day and in the evening.

The *British Library of Political and Economic Science* is attached to the School and includes the Edward Fry Library of *International Law*, and the Schuster Library of *Comparative Legislation* and a number of special collections.

The Library is open not only to those who are taking courses at the School, but, by permission of the Director, also to other persons desiring to utilize it for research or consultation.

The fee (in 1947) for a complete day course in Economics or Commerce is 26 guineas for the academic year, in Law 28 guineas, and in Arts about £35. Evening students receive considerable reduction in fees. The fees include privileges of Students' Common Rooms and Athletic Societies. Fees are at present under review. The playing fields at Malden are available for members of the Athletic Union.

There are entrance scholarships (including the Leverhulme Scholarships which may carry with them eligibility to receive a maintenance grant up to a maximum of £185 p.a.; scholarships are also awarded on the results of the University Intermediate Exams., and there are a number of bursaries and valuable prizes. A number of research studentships, postgraduate scholarships and bursaries are also awarded.

PUBLICATIONS. Learned: *Studies in Econ. and Pol. Sc.*; *Economica*, quarterly journal devoted to research in economics, economic history and statistics; *Bulletin* (quarterly) of the *London and Cambridge Economic Service*, of Statistics and Memoranda bearing on the current economic position, published at the School, in co-operation with the Univ. of Cambridge and Harvard Univ. Official: *Calendar*; *Prospectus*; *Departmental Pamphlets*

THE YEAR 1946-47

NEW BUILDINGS. The School has acquired by lease and purchase additional premises which have provided *inter alia* improved accommodation for the Students' Union and Athletic Union.

NEW APPOINTMENTS have been made during the year to the Chairs of Accounting, Economics of Labour, Commerce, Public Administration, Economics (with special reference to Banking) and International Law.

OTHER DEVELOPMENTS. Economist Bookshop, Ltd., established by the School in co-operation with the Economist Newspaper, Ltd., at Nos. 11 and 12 Clement's Inn Passage; Hostel, named Passfield House, with accommodation for some 90 students, established at Cartwright Gardens, W.C.1.

CHANGES IN REGULATIONS. Persons desiring admission to the School for a first degree or diploma are now required to sit for an entrance examination which consists of two three-hour papers of a general nature.

RESIGNATIONS. F. C. C. Benham, C.B.E., B.Sc. (Econ.), Ph.D., from the

Chair of Commerce (with special reference to International Trade); the Rt. Hon. Lord Chorley of Kendal, M.A., from the Chair of Commercial Law.

DEATHS. The Rt. Hon. Sir Halford Mackinder, Reader, subsequently Prof. of Geography, and from 1903 to 1908, Director of the School. A Governor of the School till 1947. Prof. A. J. Sargent, a student of the School in the year of its foundation, a member of the staff from 1896 to 1936 (Prof. of Commerce from 1912).

STUDENTS. Total : 3225; full-time: 1570; part-time: 1655 (including 443 full-time intercollegiate students studying partly at the School). The total includes 1054 women and 312 postgraduates.

WYE COLLEGE,
WYE, ASHFORD, KENT

Founded 1894

Telegrams : College, Wye. Stations : Ashford (S.R.), 5 m., Wye (S.R.) $\frac{1}{2}$ m.
Telephone : Wye 1.

CHAIRMAN OF GOVERNING BODY—The Rt. Hon. LORD NORTHBOURNE

VICE-CHAIRMAN—G. R. H. NUGENT.

PRINCIPAL—D. SKILBECK, M.A. Ox.

VICE-PRINCIPAL—NORAH L. PENSTON, B.A., D.Phil. Ox. (R.).

SECRETARY AND REGISTRAR—C. W. A. GARLAND, B.Sc.

LIBRARIAN—JOAN WILLIAMS, Dip.Lib.

FINANCE OFFICER—DIGBY TAYLOR.

DOMESTIC BURSAR—ELEANOR M. KNIGHT.

TEACHING STAFF

Agriculture

Cooper, M. McG., B.Agr. Sc
N.Z., B.Litt., Dip. Rur.Econ.
Ox. Prof. of Agric. (A.).

The Principal.

Owers, A. C., B.A., Dip. Agric.
Camb. (Farm Director).

Tinley, N. L., Dip. Agric.

Paterson, J. D.

Bullock, E. J., Dip. Agric. (Farm
Mechanization and Engin.).

Dunkin, A. C., B.Sc. (Agric.) Read-
ing (Pig Husb. Res.).

Dempsey, L. O., B.Agr.Sc. Dub.
(seconded from N.I.A.B.).

Biological Sciences

Vice-Principal

Actg. Hd. of Dept. (R.).

Harrison, R. M., B.Sc. (R.).

Schimmer, Frieda C., M.Sc., D.I.C
(R.).

Selman, I. W., B.Sc., Ph D.

Froud, M. D., B.Sc.

Froud, Joan, M.Sc.

Holwill, P. J. A., B.Sc.

Economics

Wyllie, J., B.Sc. (Agric.) Edin.

Hd. of Dept. (R.).

Chester, J. A., Dip. Agric.

de Morpurgo, P. G. L., B.Sc.
Reading.

Hooper, T. G., Dip. Agric.

Brewin, J. M., B.A (Agric.) Camb.

Woollard, E. R., Dip. Hort

Halls, H. G.

Pope, W. H. T.

Horticulture

Miles, H. W., M.Sc. Brist., Ph.D.,
D.Sc. Manc. Prof. (A.).

Bagenal, N. B., B.A. Camb. (R.).

Page, Mary, Dip. Hort. (R.).

Jackson, A. A., B.Sc. Manc.

Rigby, Elizabeth, B.Sc. (Hort.).

May, E. B., B.Sc. (Hort.) Reading.

Barker, Eleanor M., Dip. Hort.

(A.) = Appointed Teacher.

(R.) = Recognized Teacher of the Univ. of London.

Physical Sciences

Wain, R. L., M.Sc. Sheff., Ph.D.,
F.R.I.C. Hd. of Dept. (R.).
Smith, Margaret S., B.Sc., Ph.D.
(PR.).
Johnson, A. H., B.Sc.
Brade-Birks, Rev. S. G., D.Sc.
(Pt-time) (R.).
Mills, C. F., B.Sc. Reading.
Seeley, R. C., B.Sc. (Agric.).
Osborne, Daphne J., B.Sc.
May and Baker Res. Fellow.

Research and Advisory Staff*Hops*

Burgess, A. H., D.Sc. (Agric.),
Dip. Agric. Hd. of Dept.
Dark, S. O. S., B.Sc., Ph.D.
Cripps, E. G., B.Sc. (Agric.), Dip
Agric.
Bousfield, E. G., B.A. Camb.
Tatchell, A. R., B.Sc.
Thompson, F. C., B.Sc.

Special Research

Miles, Mary, M.Sc. Manc

(R.) = Recognized Teacher of the Univ. of London.

(PR.) = Probationary Recognition as a Teacher of the Univ. of London.

GENERAL INFORMATION

The College was founded in 1447 as a monastic foundation. It was created an agricultural College in 1894 under the Principalship of the late Sir A. D. Hall, F.R.S. It has been a School of the University of London since 1900 and is now the approved Department of Agriculture and Horticulture in the Univ.

Closely associated with the College is the South-Eastern sub-provincial headquarters of the N.A.A.S., the central offices and laboratories of which are located on the College Estate.

LIBRARY. 10,000 vols. **LABORATORIES.** Physical and Biological Sciences, including Chem., Physics, Bot., Zool. and Hop Research.

The College (residential for men and women) provides courses for the internal B.Sc. degree in Agric. and Hortic. of the Univ. of London and also accepts postgraduate students reading for higher degrees. At the present time there are no Diploma or short courses. The College Estate extends to over 600 acres and comprises a mixed farm, orchards, glasshouses, market gardens and decorative gardens, all of which are used for teaching, demonstration and research purposes. The College Hop Research Department is the National Centre for Hop Research work and has its own laboratories and commercial and nursery hop gardens.

The internal B.Sc. degrees of the Univ. of London in Agric. and Hortic. equip men and women who intend to farm at home or abroad or require preparation for managerial, teaching or investigational posts in the industries of Agriculture and Horticulture or who intend to seek appointment in the National Agricultural Advisory Service or in the Colonial Services. The College Appointments Bureau gives assistance in placing qualified students in suitable employment.

FEES, inclusive of board, lodging and tuition are, at the present time, £135 per annum but are likely to be increased to £150 per session for the session 1948-49.

THE YEAR 1946-47

BENEFACTIONS. Appeal Fund Subscriptions, over £1500; the College Statutes which for over three centuries had been held by Merton College were

presented to the College by the Warden of Merton. A College Mace was presented by Mr. Somerset de Chair and a window presented by Mr. J. W. Kennard, the Clerk to the Governing Body. Other recent benefactions include a Research Fellowship established by Messrs. May and Baker for research work in the Dept. of Phys. Sciences (value £600 p.a.) and £200 presented by Mr. W. Woodward as a memorial to the late Miss Christine Woodward, previously the College Librarian.

NEW BUILDINGS. Part of the reconstruction and modernization of the old College buildings has been completed, and the conversion of part of the East Wing into laboratories for the Dept. of Biological Sciences is in hand. A temporary dormitory for 25 women was completed in Dec. 1946 and a new Women's Hall of Residence is in course of construction. Additional glasshouses are being erected in the Hortic. Dept. and both the farm and market garden are in the process of substantial re-equipment for demonstration, teaching and research purposes.

NEW POSTS. Chairs of Agriculture (Prof. M. M. Cooper) and Horticulture (Dr. H. W. Miles) tenable at Wye College have been instituted by the Univ. of London.

OTHER DEVELOPMENTS. On Friday, June 13, the College celebrated the 500th Anniversary of its foundation. Visitors to the College on that day included the Archbishop of Canterbury, the Chancellor, Vice-Chancellor and Principal of the Univ. of London and the Minister of Agriculture.

Contacts with other College and Research Centres have expanded and several lecturers have attended the College to give both formal College Lectures and special lectures and discussions arranged by the Union Society.

EXTRA-MURAL WORK during the year has greatly increased; several members of the College have broadcast on Agric. and Hortic. subjects, and have been much engaged on various aspects of the farming life of S.E. England.

RETIREMENT. Mr. V. C. Fishwick (Research).

RESIGNATIONS. Dr. C. Davies, on appt. as Provincial Machinery Adviser, Eastern Prov. N.A.A.S.; Mr. R. T. Pearl, on appt. to Readership in Hortic., Univ. Coll., Nottingham; Mr. N. K. Green, on appt. as Farm Bldgs. Adviser for Wales, N.A.A.S.; Mr. A. E. Martin, on appt. as Res. Asst. Grassland Improvement Station, Drayton; Mrs. Joan Reynold; Margaret P. Whiteley, on appt. as Asst. Lectr. in Hortic., Univ. Coll., Nottingham.

DEATH. Miss Christine M. Woodward (Librarian).

STUDENTS. Total: 138; full-time: 137; part-time: 1; the total includes 65 women and 1 postgraduate.

DEGREES. B.Sc. (Agric.), 3; B.Sc. (Hortic.), 9.

SCHOOL OF ORIENTAL AND AFRICAN STUDIES

Founded 1916

University of London, W.C.1.

Telephone : Museum 2023/4/5, 8732.

Telegrams : Soasul, Phone, London.

PATRON—H.M. THE KING.

VISITOR—THE MINISTER OF EDUCATION.

CHAIRMAN OF THE GOVERNING BODY—The Right Hon. LORD HARLECH,
K.G., G.C.M.G., D.C.L., F.S.A.

DIRECTOR—Professor R. L. TURNER, M.C., M.A., Litt.D. Camb., F.B.A.

SECRETARY—Lt.-Col. H. MOYSE-BARTLETT, R.A.R.O., M.B.E., M.A.
Ox.

TEACHING STAFF

<i>African Languages, Central</i>		Hillelson, S. (Sudanese A.)	
Huntingford, Capt. G. W. B.,			Lectr.*
B.Sc. Ox.	Lectr.*	Kitchin, D. H. (Sudanese A.)	
<i>African Languages, West</i>			Lectr.*
Ward, Ida C., C.B.E., B.Litt.		Smith, Margaret, M.A. Camb.,	
Durh., D.Lit.	Prof.	Ph.D., D.Lit. (Syrian A.)	
Green, Margaret M., M.A. Camb.			Lectr.*
(W. African Languages and		Tritton, A. S., M.A. Ox. and Lond.,	
Cultures)	Sr. Lectr.	D.Litt. Edin.	
Berry, J., B.A. Leeds	Lectr.		Prof. Emeritus.
Rowlands, Rev. E. C., M.B.E.,		Zafir, Kadry, M.A. Camb.	Lectr.*
M.A. Camb.	Lectr.		
<i>Amharic</i>		<i>Armenian</i>	
Athill, Lt.-Col. L. F. I., O.B.E.		Topalian, S.	Sr. Lectr.
	Lectr.*	<i>Assamese</i>	
<i>Arabic</i>		Sayedulla, Syed M.	Lectr.*
Guillaume, A., M.A., D.D. Ox.			
	Prof.	<i>Bantu Languages</i>	
Heyworth-Dunne, J., B.A., D.Lit.		Ashton, Ethel O. (E. Bantu Langs.)	
	Reader.		Lectr.*
Serjeant, R. B., M.A. Edin., Ph.D.		Guthrie, Rev. M., Ph.D., B.Sc.	
Camb.	Reader.	(Eng.)	Reader.
Cowan, D., M.A.	Lectr.	Atkins, W. G., M.A. Ox., D.Phil.	
Khulusy, S., B.A., Ph.D.	Lectr.	Prague	
Abdel All, M.G., M.A. Cairo		(E. Bantu Langs.)	Lectr.
	Lectr.	Crittenden, F. H., B.A. Ox.	Lectr.

* On panel of additional lectrs., not on regular staff.

Bengali

- Summers, Gertrude M. Lectr.
Barua, M. R., M.A. Calc. Lectr.*

Buddhism

- Horner, Isaline B., M.A. Camb.
(Early B. in India. Relig.
and Culture in Burma and
Ceylon) Lectr.*

Burmese

- Stewart, J. A., C.I.E., M.C., M.A.,
LL.D. Aberd. Prof.
Merrells, G. L., B.A. Camb. Lectr.

- Dunn, C. W., C.I.E., M.A. Camb.
Lectr.*
Pe, Hla, M.A. Rang., Ph.D. Lectr.*

Central Asian Studies

- Henning, W. B., D.Phil. Göttin-
gen Reader.

Chinese

- Edwards, Eve D., M.A., D.Lit.
Prof.
Simon, W., Ph.D. Berlin, D.Lit.
Prof.
Rideout, J. K., B.A. Sr. Lectr.
Yu Dawchuyuan (Classical)
Sr. Lectr.
Locke, Marjorie A., B.A. Lectr.
Simon, H. F., B.A. Lectr.
Whitaker, Katherine P. K., B.A.
Hong Kong, M.A. Ox.
(Cantonese) Lectr.

- Elwin, Rosa M.
(Ningpo, Shanghai, and
Hangchow dialects)
Lectr.*

- MacLagan, Rev. P. J., M.A.,
D Phil., D.D. Edin.

- (Swatow) Lectr.*
Steele, Rev. J., M.A., D.Lit.
(Swatow) Lectr.*

- Waley, A. D., M.A. Camb., LL.D.
Aberd., F.B.A.

- (C. Poetry) Lectr.*
Yu T'an - Hsien, B.A., LL.B.
Peking (Hakka) Temp. Lectr.

- T'ai, C. H., B.A. Peking
Temp. Lectr.

- Ch'in, Grace S., B.A. Nanyang
Temp. Pt.-time Lectr.

Duala

- Christol, Rev. F. H., B.Sc. Paris
Lectr.*

Ganda

- Daniell, Rev. Canon E. S., O.B.E.,
M.A. Lectr.*

Georgian

- Gugushvili, A. Lectr.*

Gujarati

- Master, A., C.I.E., M.A. Ox.
Pt.-time Sr. Lectr.
Hartshorne, J. F. B., M.A. Ox.
Lectr.*

Hausa

- Parsons, F. W., B.A. Ox. Lectr.
Bargery, Rev. G. P., D.Lit.

- Ward, L. S., M.A. Camb. Lectr.*

Hebrew, Modern

- Wartski, I., B.A.
(Ahad Ha'am Lectr.)
Sr. Lectr.

- Segal, J. B., M.C., M.A. Camb.,
D.Phil. Ox. Lectr.

Hebrew Palæography and Epigraphy

- Birnbaum, S. A., D.Phil. Würzb.
Pt.-time Lectr.

Hebrew Philosophy

- Rawidowicz, S., Ph.D. Berlin.
Lectr.*

Hindi

- Shukla, K. N., M.A., D.Litt. Ben.
Lectr.

Hindustani

- Harley, A. H., M.A. Glas.
(Urdu & Hindi) Nizam's
Reader.

- Judd, Capt. A. R. Temp. Lectr.

* On panel of additional lectrs., not on regular staff.

SCHOOL OF ORIENTAL AND AFRICAN STUDIES 209

Harcourt, Lt.-Col. E. S., M.C.

Lectr.*

Majid, Maulvi Abdul, M.A., B.T.
Panj. Lectr.*

History of India and Farther India

Philips, C. H., M.A. Liv., Ph D.

Prof.

Barnett, L. D., C.B., M A. Camb.,
Litt.D. Manc., F.B.A.

(Sanskrit and Ind. Hist.)

Pt.-time Sr. Lectr.

Ballhatchet, K. A., M.A. Camb.
(Mod. Ind. Hist.) Lectr.

Basham, A. L., B.A.

(Anc. Ind. Hist.) Lectr.

Hardy, P., M.A. Camb.

(Muslim Period) Lectr.

Harrison, Major J. B., B A Camb.
(Mod. Ind. Hist.) Lectr.

Hasan, S. N., M.A. Alld.
(Muslim Period)

Pt.-time Temp Lectr.

Furnivall, J. S., M.A.

(Burmese H.) Lectr.*

Hall, D. G. E., M.A., D.Lit.

(Burmese H.) Lectr.*

Wales, H. G. Q., M.A. Camb.,
Ph.D.

(Greater Indian H. and
Archæol.) Lectr.*

History of the Near and Middle East

Lewis, B., B.A., Ph.D. Reader.

Rice, D. S., D. de l'Univ. Paris
Lectr.

Toynbee, Prof. A. J., D.Litt. Ox.
and Birm., F.B.A. Lectr.*

History of the Far East

van der Sprenkel, O. P. N. B.,
B.Sc. (Econ.) Lectr.

Beasley, W. G., B.A.
Pt.-time Lectr.

Indian Archæology

Richards, F. J., M.A. Ox.

Hon. Lectr.

Indian Art

Codrington, Prof. K. de B., M.A.
Camb. Hon. Lectr.

Indian Philology

Master, A., C.I.E., M.A. Ox.

Pt.-time Sr. Lectr.

Indian Philosophy

Kunst, A. V., M.A. Lwów, D.Phil.
Warsaw (and Sanskrit)

Lectr.

Japanese

Daniels, F. J., B.Sc. (Econ.)

Reader.

Dunn, C. J., B A.

Lectr.

Mills, D. E., M.A. Camb., B.A.
Lond. Lectr.

Matsukawa, B.

Lectr.

Yanada, S., M.Econ. Tokyo

Lectr.

Daniels, Otome

Lectr.*

Piggott, Maj.-Gen. F. S. G., C.B.,
D.S.O. Lectr.*

Shaw, Capt. H. L.

Lectr.*

Kachin

King, C. W.

Lectr.*

Kanarese

Ranganatha Rao Sahib, C., B.A.,
B.L. Madr. Lectr.*

Kikuyu

Leakey, L. S. B., M.A., Ph.D.
Camb. Lectr.*

Korean

Lee, Rev. A. W. Lectr.*

Law

Vesey-FitzGerald, S. G., M.A. Ox.,
LL.D.

(Oriental L.) Pt.-time Prof.

Anderson, J. N. D., O B.E., M.A.,
LL.B. Camb.

(Islamic L.) Lectr.

MacGregor, A., M A. Edin.

(Burmese Buddhist L.)

Lectr.*

* On panel of additional lectrs., not on regular staff.

Spargo, F. W., B.A., B.Sc. Lond.
and Camb.
(Burmese Buddhist L.)

Lectr.*
Mills, J. V., M.A. Ox. (Chinese L.)
Lectr.*

Linguistics, v. Phonetics

Lozi (Kololo)

Christol, Rev. F. H., B.Sc. Paris.
Lectr.*

Malay

Brown, C. C., B.A. Camb Lectr.
Lewis, M. Blanche, B.A. Wales
Lectr.

Abidin, Che' Zainal Temp. Lectr.
Coope, A. E., B.A. Ox. Lectr.*
Dussek, O. T., B.A. Lectr.*
Haynes, A. S., C.M.G. Lectr.*
Kempe, J. E., B.A. Ox. Lectr.*
Winstedt, Sir Richard O., K.B.E.,
C.M.G., M.A., D.Litt. Ox.,
F.B.A. Lectr.*

*Malay and Old and Mediæval
Môn*

Blagden, C. O., M.A. Ox., D.Litt.
Rangoon Lectr.*

Malayalam

Menon, T. N., B.A. Madras
Lectr.*
Richards, Kate M. Lectr.*

Marathi

Lambert, Hester M., M.A. Camb.
(The Maharajah Gaek-
wad's Lectr.)
Sr. Lectr.

Mende

Manley, D. J., B.A. Indiana
Lectr.
Crosby, Rev. K. H., B.A., B.D.,
Ph.D. Lectr.*

Mongolian

Yu Dawchuyuan Sr. Lectr.

Oceanic Languages

Milner, G. B., B.A. Camb. Lectr.

Oriya

Pike, Rev. H. W., B.A., B.D.
Lectr.*
Wilkins, Rev. G. S. Lectr.*

Pali

Stede, W., Ph.D. Leip.
Temp Sr. Lectr.

Persian

Darab Khan, G. H., M.A.
Sr Lectr.
Lambton, Ann K. S., O.B.E., B.A.,
Ph.D. Sr. Lectr.
Topalian, S. Sr. Lectr.
Wickens, G. M., M.A. Camb.

(P. and Arabic) Lectr.
Graves Law, H. D., C.I.E., M.A.
Edin. Temp. Lectr.
Shadman, S. F., LL.D. Paris,
Ph.D. Lectr.*

Phonetics and Linguistics

Firth, J. R., O.B.E., M.A. Leeds
(General Linguistics) Prof.
Scott, N. C., B.A., B.Sc. Reader.
Evans, Eileen M., B.A. Sr. Lectr.
Henderson, Eugénie J. A., B.A.
Sr. Lectr.

Carnochan, J., B.A. Lectr.
MacCarthy, P. A. D., M.A. Camb.
Lectr.
Mitchell, T. F., B.A. Lectr.
Sharp, A. E., M.A. Camb. Lectr.
Sprigg, R. K., M.A. Camb. Lectr.

Polynesian Languages

Firth, Prof. R. W., M.A. N.Z.,
Ph.D. Lectr.*

Sanskrit

Turner, R. L., M.C., M.A., Litt D.
Camb., F.B.A. Pt.-time Prof.
Barnett, L. D., C.B., M.A. Camb.,
Litt.D. Manc., F.B.A.
(S. & Indian Hist.)
Pt.-time Sr. Lectr.
Rylands, C. A., M.A. Camb.
Sr. Lectr.

* On panel of additional lectrs., not on regular staff.

SCHOOL OF ORIENTAL AND AFRICAN STUDIES 211

Brough, J., M.A. Camb., M.A., D.Litt. Edin. Lectr.	<i>Swahili</i>	Hollingsworth, L. W., M.B.E., B.A., F.R.Hist.S. Sr. Lectr.
Allan, J., C.B., M.A. Edin., F.S.A., F.B.A. (Indian Palæog and Numismatics) Lectr.*	<i>Syriac, Modern</i>	Heazell, Rev. Canon F. N., M.A. (Vernacular) Lectr.*
Burrow, Prof. T., M.A., Ph.D. Camb. Lectr.*	<i>Tamil and Telugu</i>	Pathy, C. S. K., M.A. Edin. Lectr.
<i>Shan</i>		Thompson, M. S. H., B.A. Madr. Temp. Lectr.
Inman, Capt. H. J. Lectr.*	<i>Siamese</i> [Sr. Lectr.	Subba-Row, P. V., LL.B. Dub. (Telugu) Lectr.*
Henderson, Eugénie J. A., B.A.		<i>Tibetan</i>
Le May, R., Ph.D. Camb. Lectr.*		Yu Dawchyan Sr. Lectr.
Michell, J. Lectr.*		Shuttleworth, H. Lee, M.A. Ox. (Spoken Language) Lectr.*
O'Neill, Rev. H. S., M.Th., B.A., B.D. Lectr.*	<i>Turki, Eastern</i>	Wingate, Rachel O., M.A. Camb. Lectr.*
Wales, H. G. Q., M.A. Camb., Ph.D. Lectr.*	<i>Turkish</i>	Mundy, C. S., B.A. Sr. Lectr.
<i>Sinhalese</i>		Topalian, S. Sr. Lectr.
Ariyapala, M B., B.A. Lectr.		Mahir, A. Lectr.*
<i>Sudanic and Bantu Languages, Eastern</i>	<i>Xhosa and Zulu</i>	Jabavu Nontando Lectr.*
Tucker, A. N., M.A. Cape T., Ph.D. Reader.		
<i>Suto-Tswana</i>		
Letele, G. L., M.A. Cape T. Lectr.		
Christol, Rev. F. H., B.Sc. Paris Lectr.*		

* On panel of additional lectrs., not on regular staff.

GENERAL INFORMATION

Established by Royal Charter, 1916. A School of the University in Arts. The work is concentrated in seven Departments; I. India and Ceylon. II. South-East Asia and the Islands. III. Far East. IV. Near and Middle East. V. Africa. VI. Phonetics and Linguistics. VII. History. Teaching is provided in many languages and in the history, laws, religions and customs of Oriental and African countries. Special facilities for research work.

LIBRARY. Approx. 96,240 printed books and pamphlets, 946 manuscripts and approx. 16,000 books in the library of Sir Reginald Johnston.

FEES. Details of fees are given in the Prospectus.

STUDENTSHIPS, ETC. Forlong Scholarship, value £150, may be available from time to time. Forlong Exhibitions, value £50, are awarded as funds become available. Roston Scholarship, value £200, will be awarded each session for the next three years.

PUBLICATIONS. *Calendar; Prospectus; Annual Report; Bulletin.*

THE YEAR 1946-47

BENEFACTIONS. *General Funds*: Shell Petroleum Co., Ltd., £262: 10s., Barclay's Bank (Dominion, Colonial, and Overseas), £50, National Bank of India, Ltd., £50, Ottoman Bank, £21, United Africa Co., Ltd., £10, W. A. Browne and Co., £2: 2s. *African Studies*: Govt. of Nigeria, £500, Govt. of Uganda, £500, Govt. of Tanganyika, £500, Govt. of Gold Coast, £400, Govt. of Sierra Leone, £200, Govt. of Northern Rhodesia, £100, Govt. of Nyasaland, £50, Govt. of Gambia, £50, Govt. of Zanzibar, £50. *Arabic and Islamic Studies*: Iraq Petroleum Co., Ltd., £2000, Consolidated Petroleum Co., Ltd., £1500, Govt. of Sudan, £400, Govt. of Iraq, £100. *Burmese Studies*: Govt. of Burma, £62: 10s. *Chinese*: Universities' China Committee, £250, China Association's School of Practical Chinese, £250. *Ahad Ha'am Lectureship in Modern Hebrew*: Humanitarian Trust, £50, Sir Montague Burton, £25, J. A. de Rothschild, Esq., £25, O. Philipp, Esq., £5, Sundry Contributors, £16: 16s. *Research Lectureship in Hebrew Palæography*: The Nathan and Adolphe Haendler Charity, £400. *Indian Studies*: Govt. of India, £1125. *Lectureship in Marathi*: The Maharaaj Gaekwar of Baroda, £250. *Persian*: Anglo-Iranian Oil Co., Ltd., £2000. *Sinhalese and Tamil*: Govt. of Ceylon, £500. *Urdu*: H.E.H. The Nizam's Govt., £250.

COMMERCIAL COURSES. These courses are planned *ad hoc* as required to meet the needs of firms wishing to give training in languages and the related cultures to representatives going oversea. An effort is made to meet, as far as possible, all requirements in this field. (Note—In session 1946-47, nine such courses were arranged, to which sixteen different firms, notably leading oil companies and members of the India-Burma Association, sent representatives. The languages concerned were Arabic, Hausa, Malay, Persian and Urdu.)

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. During the first and second terms of the session, Prof. E. D. Edwards, Hd. of the Dept. of the Far East, in the course of a tour of South East Asia, the Far East and Australia, visited many centres of Far Eastern studies. This tour was undertaken under Government auspices. Prof. J. R. Firth, Hd. of the Dept. of Phonetics and Linguistics, was invited to visit the Farouk I. Univ., Alexandria, during the spring of 1947, to advise on the development of linguistic studies. He also delivered lectures on general linguistics and phonetics.

RESIGNATIONS. Prof. A. J. Arberry (Arabic), on his election to the Sir Thomas Adams Chair at Cambridge; Dr. M. M. al Nowaihi (Sr. Lectr., Egyptian Arabic), to accept a Readership at Gordon Coll., Khartoum.

DEATHS. P. P. H. Hasluck (Additional Lectr. in Algerian Arabic); Lt.-Col. E. G. Hart, D.S.O. (Additional Lectr. in Indian Hist.).

STUDENTS Total: 938; full-time: 251; part-time: 365; the total includes 217 women and 322 occasional and intercollegiate students.

DEGREES. B.A., 7; M.A., 1; Ph.D., 7.

BEDFORD COLLEGE FOR WOMEN

Founded 1849

Inner Circle, Regent's Park, N.W.1.

Telephone : Welbeck 5743.

Telegrams : Edforcoll, Norwest, London.

VISITOR—.....

CHAIRMAN OF COUNCIL—Sir CHARLES TENNYSON, C.M.G.

PRINCIPAL—Miss G. E. M. JEBB, M.A. Camb.

SECRETARY—Miss O. E. MONKHOUSE, M.B.E., B.A.

REGISTRAR—Miss N. MCNAULTY, B.A.

BURSAR—Miss H. G. PROCTOR, M.A. St. And.

RESIDENT TUTOR—Miss M. A. WILEMAN, M.A. Ox.

LIBRARIAN—Miss D. BAINS, B.A., F.L.A.

TEACHING STAFF

Botany

Jones, W. Neilson, M.A. Camb.

Hildred Carlile Prof.

Warburg, E. F., M.A., Ph.D.
Camb. Lectr.

Williams, W. T., B.Sc., Ph.D.
Lectr.

Wavering, P. F., B.Sc.
Asst. Lectr.

Harrison-Church, Mrs. Dorothy
V., B.Sc. Wales
Museum Asst.

Chemistry

Turner, E. E., M.A. Camb, D.Sc.,
F.R.I.C., F.R.S. Prof.

Spencer, J. F., M.A., Ph.D.
Breslau, D.Sc. Liv., F.R.I.C.
Emeritus Prof.

Barrer, R. M., D.Sc. N.Z., Ph.D.
Camb. Reader.

Lesslie, Mary S., M.A., B.Sc.,
Ph.D. St. And. Sr. Lectr.

Trew, Violet C. G., B.Sc., Ph.D.
Lectr.

Harris, Mrs. Margaret M., B.Sc,
Ph.D. Pt.-time Lectr.

Hall, D. Muriel, B.Sc., Ph.D.

Asst. Lectr.

Grove, Dorothea M., M.A., B.Sc.
Ox. Demr.

Taylor, H. F. W., B.Sc., Ph.D.
Demr.

Classics

Tarrant, Dorothy, M.A. Camb.,
M.A., Ph.D. (Greek) Prof.

Onians, R. B., M.A. Liv., Ph.D.
Camb.

(Latin) Hildred Carlile Prof.
Cary, M., M.A., D.Litt. Ox.

Holley, Nan M., M.A. Camb.
(Greek) Lectr.

Ehrenberg, V. L., Ph.D. Tübingen
(Anc. Hist.) Lectr.

Andrewes, Margaret, M.A.
(Latin) Lectr.

Wilkinson, Mrs. Gillian A., M.A.
Camb. (Latin) Lectr.

Lelièvre, F. J., M.A. Camb.
(Latin) Asst. Lectr.

Dutch

Weevers, T., Lit.D. Leiden
(Lang. and Lit.) Prof.

*Economics, v. Social Studies**English*

Ellis-Fermor, Una M., M.A., B.Litt.
Ox., D.Lit.

(Eng. Lit.) Hildred Carlile Prof.

Thomas, P. G., M.A. Camb.,
Litt.D. Liv. Emeritus Prof.

Tillotson, Mrs. Kathleen M., M.A.,
B.Litt. Ox.

(Eng. Lit.) Reader.

Hodgson, Phyllis, M.A. Camb.,
B.Litt., D.Phil. Ox., M.A.

Lectr.

Latham, Agnes M. C., M.A.,
B.Litt. Ox.

Lectr.

Ridley, M. R., M.A. Ox.

Pt.-time Lectr.

Graddon, Pamela O. E., M.A. Ox.,
Dip.Comp.Phil. Ox. Jr. Lectr.

Lacey, N. H. S., M.A. Birm.

Asst.

French Language and Literature

Turquet, Mrs. Gladys R., M.A.,
D.Lit. Prof.

Eccles, F. Y., M.A. Ox.

Emeritus Prof.

Legros, René P., M.A. Edin. and
Ox. Reader.

Murray, Jessie, M.A., St. And.,
D. de l'U. Paris Reader.

Laycock, Mrs. Blanche E., L. ès L.
Paris Pt.-time Asst.

Geography

Hosgood, Blanche, B.A. Reader.
Moodie, A. E. F., B.A., Ph.D.

Lectr.

Smee, Dora K., M.A., Ph.D.

Lectr.

Timberlake, Eunice M., B.Sc.

Lectr.

Mountjoy, A. B., M.C., B.A. Read-
ing Asst. Lectr.

Geology

Hawkes, L., D.Sc. Durh., F.G.S.

Reader.

Hughes, N. F., M.A. Camb. Lectr.
Theokritoff, G., B.Sc. Demr.

German

Purdie, Edna, M.A. Liv., D.Lit

Prof.

Massey, Isabella M., Ph.D. Marb.

Reader.

Atkinson, Margaret E., M.A.

Asst. Lectr.

History, Mediæval and Modern

Penson, Lillian M., Ph.D.

(Mod. Hist.) Prof.

Hussey, Joan M., M.A., B.Litt.
Ox., Ph.D. Reader.

Tooley, Marion J., M.A. Sr. Lectr.

Greaves, R. W., M.A., D.Phil. Ox.
Lectr.

Ramm, Agatha, M.A. Lectr.

Du Boulay, F.R.H., M.A. Ox.

Asst. Lectr.

Italian

Thorne, Mrs. Elizabeth, Ph.D.

Lectr.

Mathematics

Bailey, W. N., M.A., Sc.D. Camb.,
D.Sc. Manc., M.Sc. Prof.

Simpson, H., M.A., D.Sc. Ox.

Emeritus Prof.

Kneebone, G. T., B.Sc., M.Sc.,
Ph.D. Lectr.

Fowler, Mrs. Enid, Math. Trip.
Camb, M.A. Pt.-time Lectr.

Hardiman, Nellie J., B.Sc. Asst.

Henstock, R., B.A. Camb. Asst.

Philosophy

Acton, H. B., B.A., D.Phil. Ox.

Prof.

Macdonald, Margaret, M.A. Camb.,
Ph.D. Lectr.

Physics

Flint, H. T., Ph.D., M.Sc. Birm.,
D.Sc. Hildred Carlile Prof.

Wilson, W., Ph.D. Leip., D.Sc.,
F.R.S. Emeritus Prof.

Little, V. I., B.Sc. Lectr.

Williamson, E. Marjorie, M.Sc.

Lectr.

Mansfield, R., B.Sc. Asst. Lectr.
Newitt, Muriel F., B.Sc. Demr.

Physiology

Murray, Margaret, M.A., D.Sc. Prof.
Edkins, Mrs. Nora, D.Sc. Temp Lectr.
Cobbold, B. Joan N., B.Sc. Demr.
Wilkinson, Elizabeth, B.Sc. Demr.

Psychology

Harding, D. W., M.A. Camb. Prof.
Edgell, Beatrice, D.Litt. Wales, Ph.D. Würzburg Emeritus Prof.
Folley, Mrs. Madeline, M.A. Manc., Ph.D. Lectr.
McKellar, T. P., M.A. N.Z. Asst. Lectr.
Shimmin, S. B. N., B.Sc. Temp. Asst.

Social Studies and Economics

Wootton, Mrs. Barbara, M.A. Camb. Reader.
Williams, Mrs. Gertrude, B.A. Manc. (Social Econ.) Reader.
Reid, Mrs. Helena, M.A. Camb. Emeritus Lectr.
The Principal Lectr.
Pinchbeck, Ivy, M.A., Ph.D. Lectr.
Rooff, Madeline M., B.A. Tutor.
McIntosh, Mrs. Marjorie, B.A. Ox. Asst. Tutor.
Pollard, Mrs. Beatrice, B.A. Temp. Pt.-time Asst.

Zoology

Fox, H. Munro, M.A. Camb., F.R.S. Prof.
Ince, Frances E., M.Sc. Sr. Lectr.
Walshe, Barbara M., M.Sc. Birm. Asst. Lectr.
Hanson, E. Jean, B.Sc. Demr.
Purves, E. Museum Asst.

GENERAL INFORMATION

Founded 1849. A School of the Univ. in Arts and Science. Tate LIBRARY and Werner Reading-Room contain 77,000 vols. (not including pamphlets). Special facilities for Research work in the LABORATORIES (Bot., Chem., Geol., Physics, Physiol., Psych. and Zool.).

Minimum age for admission, 18. Students are prepared for all examns. of the Univ. of London in Arts and Science, and for the College Certificate in Social Studies.

FEES (inclusive annual) for Tuition: B.A.—1st yr., 42 gs., 2nd and 3rd yrs., 38 gs., 4th yr., 25½ gs. M.A.—15 gs. (for Hons. graduates of Coll., 8½ gs.). B.Sc.—1st and 2nd yrs., 53 gs., 3rd yr., 48½ gs., 4th yr., 35 gs. The B.Sc. fees are the same as the B.A. fees when no practical subjects are taken. M.Sc. and Ph.D. in Arts or Science, 21 gs. (for graduates of Coll., 15 gs.). Union Society: 16s. Athletic Union: £1: 6s.

SCHOLARSHIPS for Graduates. Eight for research in Arts or Science—Amy Lady Tate, £120 p.a. for 2 yrs., Beilby Research, £120, Busk-Howell, £90; Gamble, £35; Notcutt Travelling Studentship, £200; Holland Crompton Memorial Scholarship for research in Chem., £25; Lady Huggins Scholarship in Sociol., £120, open to graduates of approved Univs.; Susan Stebbing Studentship in Philosophy, £100.

PUBLICATIONS. *Calendar*, post free, 3s. 6d. *B.C. Union Magazine* (Students).

THE YEAR 1946-47

BENEFACTIONS. Postgraduate Studentship to be held by an American graduate at Bedford Coll. for one yr., presented by the International Institute

of Education in New York. The sum of £300 presented by the B.C.O.S.A. to endow a prize in memory of Prof. Caroline Spurgeon (Prof. of English Lit. from 1913-28). This sum has been combined with a previous endowment for the same purpose and used for a prize to be known as the Caroline Spurgeon Memorial Prize. The sum of £200 presented by Mrs. Dorothy Slater to endow a Prize in memory of her husband, Prof. D. A. Slater (first Prof. of Latin at Bedford Coll.), the prize to be known as the Slater Memorial Prize.

NEW BUILDINGS. The Coll. has acquired the lease of Hanover Lodge, situated in five acres of grounds in the Outer Circle, Regent's Park. It is proposed to use this house as a nucleus for a Hall of Residence for approximately 150 students to be built in the grounds. Replacement of damaged blocks—The demolition of the Oliver Block was completed during the session, and reconstruction is in progress. It is hoped to commence demolition of the Arts and Administration Block early in the new session.

NEW POSTS. Professorship in Physiology (in place of Univ. Readership); Lectureship in Physics (in place of Univ. Readership); Univ. Readership in History; Lectureship in the Dept. of Social Studies, Sociology and Economics; Lectureship in the Dept. of Physics; Asst. Lectureship in the Dept. of Psychol.; Assistantship in the Dept. of Maths.

OTHER DEVELOPMENTS. Institution of grade of Senior Lecturer, for the promotion of Lecturers who have given long and distinguished service to the Coll. Four appointments have been made to this grade.

CHANGES IN REGULATIONS. New conditions of admission to the Social Studies Certificate course have been laid down, requiring all candidates for entry to the Course in and after 1948-49 to take an Entrance Examn., and all candidates for entry in and after 1949-50 to have passed the London Matric. examn. or its equivalent, with the exception of those over the age of 23 who may, in special circumstances, be excused matric.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. L. M. Penson, Ph.D., Hd. of the Dept. of Mediæval and Modern History, visited the Gordon Memorial Coll., Khartoum, during the session, in connexion with the new relationship established between that College and the Univ. of London arising from the Asquith Report on Higher Education in the Colonies. Prof. H. Munro Fox, F.R.S., Hd. of the Dept. of Zoology, visited India during December 1946 and January 1947 to act as a representative of the British Association at the Indian Science Congress and to lecture to Universities and research institutions.

RETIREMENT. Dr. M. O. Saltmarsh, Univ. Reader in Physics.

RESIGNATIONS. Dr. Edkins, Univ. Reader and Hd. of the Dept. of Physiol.; Dr. Saunders, Univ. Reader and Hd. of the Dept. of Italian; Prof. F. P. Wilson, Hd. of the Dept. of English, on appt. to the Merton Professorship of English Lit. at Oxford Univ.; A. O. L. Atkin, Asst. in the Dept. of Maths., to resume work for a higher degree; Miss A. P. Conolly, Demr. in the Dept. of Bot., on appt. to a lectureship at Univ. Coll., Leicester.

DEATHS. The Rt. Hon. the Viscount Bennett, P.C., LL.D., K.C., Visitor of the Coll.; Mr. Edwin Fisher, Vice-Chairman of Council; Mr. Mayor, Governor and Councillor of the Coll.; Dame Margaret Tuke, Principal of the Coll. from 1907 until 1929.

STUDENTS. Total: 812; full-time: 777; part-time: 35; the total includes 70 postgraduates.

DEGREES OBTAINED. B.A., 116; M.A., 6; B.Sc., 57; M.Sc., 4; Ph.D. (Science), 1.

ROYAL HOLLOWAY COLLEGE FOR WOMEN

Founded 1886

Englefield Green, Surrey.
Telephone: Egham 114.
Telegrams: Englefield Green.

CHAIRMAN OF THE GOVERNORS—H.R.H. PRINCESS ALICE, COUNTESS OF
ATHLONE.

PRINCIPAL—EDITH C. BATHO, M.A., D.Lit.

SECRETARY TO THE GOVERNORS—Mrs. M. R. AKEHURST.

REGISTRAR—JOAN I. BEALE, B.A.

TEACHING STAFF

Botany

Blackwell, Elizabeth M., M.Sc. Liv. Sr. Lectr.
Madge, Margaret A. P., Ph.D., B.Sc. Lectr.
Thompson, Mrs. E., B.Sc. Temp. Asst. Lectr. & Demr.
Lewis, F. J., D.Sc., F.R.S.Can., F.L.S. Visiting Lectr.
Topping, Mrs. J., B.Sc., Ph.D. Visiting Lectr. in Biology.
Molesworth, Beatrix Botanical Gardener.

Chemistry

Williams, Gwyn, D.Sc. Wales, Ph.D. Camb. Prof.
Foster, A. G., B.A., B.Sc. Ox., Ph.D. Lectr.
Singer, K. G., Ph.D. Glas. Lectr.
Brading, Joyce W. E., B.Sc. Lectr.
Mackay, Mrs. K., M.Sc. Manc. Asst. Lectr. & Demr.

Classics

Tredennick, G. H. P. P., M.A. Camb. Prof.
Woodward, Avery, M.A. Camb. Sr. Lectr.
Tidman, Brenda M., B.A. Asst. Lectr.

English

Willcock, Gladys D., M.A. Prof.
Green, Hilda A. C., M.A. Lectr.
Tompkins, Joyce M S, M.A., D.Lit. Lectr.
Morgan, Margery M., M.A. Asst. Lectr.

French

Hunt, H. J., M.A., D.Phil. Ox. [Prof.
West, Constance B., M.Litt. Camb., Ph.D. Lectr.
Brereton, Georgine E., B.A., B.Litt. Ox. Lectr.
Huchon, Marthe, L. ès L., Dip. d'Études classiques, Agrég. des Lettres Lectrice.
Browne, Sheila J., B.A. Ox. Asst. Lectr.

German

Richey, Margaret F., M.A., D.Lit. [Reader.
Buchmann, Ursula C., Ph.D. Zürich Lektorin.
Jenkins, Patricia, B.A. Temp. Asst. Lectr.

Czech, Hella, Ph.D. Vienna (Scientific G.) Visiting Teacher.

History

Deanesly, Margaret, M.A. Camb. and Manc. Prof.

Latham, R. C., M.A. Camb.	Smith, C. J., Ph.D., M.Sc. Lectr.
	Reader.
Powell, Isabel G., M.A. Lectr.	Hutten, E. H., Ph.D. Berlin
Taylor, Audrey M., B.A. Ox.	
Asst. Lectr.	Edmondson, A. S., M.Sc. Lectr.
	Glauert, Audrey M., M.Sc.
	Asst. Lectr. & Demr.

Mathematics

McCrea, W. H., M.A., Ph. D. Camb.,	
B.Sc. Prof.	
Bradburn, Mary, Ph.D. Edin.,	
M.Sc. Sr. Lectr.	
Sargent, Winifred L. C., M.A.	
Camb., Ph D. Lectr.	
Jacobs, J. A., M.A. Lectr.	
Falconer, Alison C., M.A. Camb.	
Asst. Lectr.	
Hesse, Mary B., B.Sc. Asst. Lectr.	

Physics

Tolansky, S., B.Sc. Durh., Ph.D.	
Durh. and Lond., D.Sc. Manc.	
Prof.	

Zoology

Thomas, Joan G., B.Sc., Ph.D.	
Lectr.	
Sharman, Margaret, B.A. Ox	
Asst. Lectr. & Demr.	

*Fine Arts**Music*

Scourse, Joan C., B.Mus. Lectr.	
Legge, B. Pompilia, B.A. Ox.	
Asst. Lectr.	

Painting and Drawing

Startup, P. (Slade Sch. of Art)	
Visiting Teacher.	

GENERAL INFORMATION

Opened in 1886. 19 miles from London. A School of the Univ. in Arts and Sci. LIBRARY, 30,000 vols. LABS.: Bot., Chem., Physics, Zoology: Botanic Gardens. Area, 95 acres. Residential accommodation for over 350 students and staff. Courses for first and higher degrees in Arts and Sci. Incl. FEES for tuition and residence: £165 a yr. Entrance Scholps., £60, etc.; postgraduate studentships.

PUBLICATIONS. *Calendar*; R.H.C. *Letter* (Old Students' Assn.); *Erinna* (Student Magazine).

THE YEAR 1946-47

BENEFACTIONS. Legacy from Miss E. Beard, student from 1894-97, of £300, free of duty. Bequest from Dr. Emily Berridge, student from 1894-98, of a research microscope and botanical books and instruments.

NEW PREMISES. A further 30 rooms were made available for students by the restoration of the ground floor of the East Wing.

NEW POSTS. Readership in History; Lectureship in Physics; Lectureship in Chem.; Asst. Lectureship in Maths.; College Maintenance Officer.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Dr. Batho, Principal of the Coll., visited the United States of America in the summer vacation and lectured at the Univs. of Southern Illinois and Wisconsin.

RESIGNATIONS. Miss I. Morris, Lectr. (German), to be Lectr. in German at Newnham Coll.; A. G. Stokes, Lectr. (Physics), to be Lectr. in Physics at King's Coll.; Dr. Plant, Lectr. (Chem.), on her marriage; Miss E. M. Boyce, Asst. Lectr. (English), to a studentship in English at Newnham Coll.; Miss N. Jones, Asst. Lectr. (French), to be Lectrice at Besançon Univ.

STUDENTS. Total: 293; full-time: 291; part-time: 2; the total includes 7 men and 15 postgraduates.

WESTFIELD COLLEGE, HAMPSTEAD

Founded 1882

Kidderpore Avenue, N.W.3.

Telephone : Hampstead 7601.

CHAIRMAN OF COUNCIL—The Hon. SYLVIA FLETCHER MOULTON,
O.B.E., M.A.

PRINCIPAL—Mrs. J. L. STOCKS, B.Sc.

SECRETARY TO COUNCIL—Miss EVELYN C. GEDGE, M.A. Camb.

TEACHING STAFF

Botany

Delf, Ellen M., B.A. Dub., D.Sc.,
F.L.S. Reader.

Calder, Mary G., Ph.D. Glas.
Lectr.

Lambert, Joyce M., B.Sc. Lectr.

Classics

Barratt, Christine, M.A. Ox.
Lectr.

Glanville, Irene M., M.A. Ox.
Lectr.

Grierson, Marian, M.A. Camb.
Asst. Lectr.

Weiss, Helene, Dr.Phil. Basle,
M.Litt. Camb. Asst. Lectr.

Economics

Stocks, Mrs. J. L., B.Sc. Lectr.

English Lang. and Lit.

Davis, B. E. C., M.A. Ox. Reader.

White, Beatrice M. I., M.A., D.Lit.
Reader.

Dorsch, T. S., B.A. Adel., M.A.
Ox. Lectr.

Mackenzie, Eileen K. A., Ph.D.
Lectr.

Carr, Barbara, B.A. Asst. Lectr.

French

Elcock, W. D., M.A. Ox. & Manc.,
L. ès L. Prof.

Dickinson, Gladys, B.A., L. ès L.
Reader.

Rutherford, Mrs. Marie-Rose, M.A.
Lectr.

German

Beare, Mary, M.A. Belf., Ph.D.
Bonn Reader.

Connell, Mrs. Hanna, B.A. Liv.
Lectr.

History

Martin, Eveline C., M.A., Ph.D.
(Imp. H.)

Hd. of Dept. and Reader.
Hill, Rosalind M. T., M.A., B.Litt.

Ox., F.S.A. Lectr.

Rubinstein, N., Ph.D. Florence
Lectr.

Carsten, F. L., D.Phil. Ox. Lectr.

Mathematics, Pure and Applied

Stanley, Gertrude K., B.Sc. Ox.,
M.Sc. Reader.

Weiss, P., Ph.D. Camb. Lectr.

Pedoe, D., M.A. Camb. Lectr.

Fishel, B., B.Sc. Asst. Lectr.

GENERAL INFORMATION

Founded in 1882 by Miss Dudin Brown, the college is undenominational, but the Principal must be a member of the Church of England. Near the S.W. corner of Hampstead Heath ; residential accomm. for 174 students. A School of the Univ. in Arts.

Students are not admitted under the age of 18, and are required to take the Scholarship and Entrance examn. Approved courses (Hons. and Special) in the Fac. of Sci. in Bot. and Maths. are provided, as well as in Arts. At least two Research Studentships are offered each year to graduates of any Univ. *Fees*: tuition from 38 to 53 gs., residence £100 per session. There is an Old Students' Association.

POSTGRADUATE RESEARCH STUDENTSHIPS. Two studentships of £250 are offered annually to graduates of any Univ.

PUBLICATIONS. *Prospectus* (May); *Report* (Oct.); *Hermes* (Students' Mag.).

THE YEAR 1946-47

BENEFACTION. Donation of £1000.

NEW BUILDINGS. One more big house has been bought, completing the line of buildings facing the original College property, and providing room for extra students. Another house has been bought on the Finchley Road, with garden adjoining existing property, and providing four flats for the use of academic or administrative staff, while proving a good investment for one of the Endowment Funds.

NEW POSTS. Professorship of Romance Philol. and Med. French Lit. (Prof. W. D. Elcock); Readership in German (Miss M. Beare).

RESIGNATIONS. Miss Craig Houston, Hd. of the German Dept.; Mrs. Crosland, Lectr. (Med. French Lang. and Lit.).

HONORARY FELLOWS. Viscount Caldecote, for twenty-five yrs. Chairman of the Council, died in 1947. Prof. Gilbert Murray accepted election as an Hon. Fellow.

STUDENTS. Total: 199; full-time: 190; part-time: 9; the total includes 15 postgraduates.

DEGREES OBTAINED. M.A., 1; B.A. Hons., 49; M.Sc., 2; B.Sc. Spec., 12; B.Sc. Gen., 2; Univ. Studentships, 4.

KING'S COLLEGE OF HOUSEHOLD AND SOCIAL SCIENCE

Founded 1908

Campden Hill Road, W.8.

Telephone and Telegrams : Western 3704.

PRINCIPAL—Miss M. J. SARGEAUNT, M.A., B.Litt. Ox.

TEACHING STAFF

Biology

Esdaile, Philippa C., D.Sc. Manc.
Reader.
Crofts, Doris, M.Sc. Lectr.
Gardiner, Phyllis, B.Sc.
Asst. Lectr.

Chemistry

Burton, H., D.Sc., F.R.I.C. Prof.
Jackman, Mrs. Agnes, B.Sc.,
F.R.I.C. Lectr.
Rees, Mrs. Barbara M., B.Sc.,
Asst. Lectr.
Birchenough, M. J., B.Sc.
Asst. Lectr.
Kurzer, F., Ph.D. Asst. Lectr.

Economics and Business Affairs

Stanners, H., B.Sc. (Econ.) Lectr.

Household Work

Lindsay, Jessie Sr. Lectr.
Chappell, Gweneth M., M.Sc.
Lectr.
Begrie, Irene C. Lectr.
White, Jean D., B.Sc. Asst. Lectr.
Bradley, Barbara H., B.Sc.
Asst. Lectr.

Taylor, Mrs. Winifred J., B.Sc.

Asst. Lectr.

Hygiene and Bacteriology

Proctor, Ruth E., M.A., M.B.,
Ch.B. St. And., D.P.H. Lectr.
White, Helen R., B.Sc. Reading
Lectr.

Physiology

Yudkin, J., M.D., Ph.D. Prof.
Hartwell, Gladys A., D.Sc.
Reader in Nutritional
Science.
Clifford, Winifred M., M.Sc. Lectr.
Hamilton, Audrey M., B.Sc.
Asst. Lectr.
Davies, Beryl, B.A. Ox.
Asst. Lectr.

Physics

Dillon, Teresa J., M.Sc., F.I.P.
Lectr.
Andrewes, Ursula, Ph.D. Lectr.
Henderson, Margery M. H., B.Sc.
Asst. Lectr.

Psychology

Catlin, Mrs. Kathleen M., B.A.
Lectr.

GENERAL INFORMATION

Formerly a dept. of King's Coll. for Women ; since 1928 an independent School of the Univ. Residential accommodation (Queen Mary's Hostel) for 175 students.

Degree course for B.Sc. in Household and Social Science. *Fees* : For tuition, 45 gs. ; residence, 80 to 100 gs. per session.

PUBLICATIONS. *Prospectus* ; *Annual Report* ; *Students' Magazine*

THE YEAR 1946-47

RETIREMENTS. Prof. C. K. Tinkler, Hd. of Chem. Dept. ; Miss Edith Wood, Lectr. (Household Arts Dept.).

RESIGNATIONS. Miss H. Dent, Actg. Principal ; Dr. C. E. Dukes, Lectr. (Bacteriol.).

STUDENTS. Full-time : 238, including 10 graduates.

DEGREES (June 1947). B.Sc. (Household and Soc. Sci), 2nd Class Hons., 11 ; Pass, 26.

THEOLOGICAL SCHOOLS OF THE UNIVERSITY

APPOINTED AND RECOGNIZED TEACHERS

In the following list the names of the Theological Schools are indicated by symbols thus :

NEW COLLEGE, LONDON (N.).	RICHMOND COLLEGE (R.).
KING'S COLLEGE, THEOLOGICAL DEPT. (KT.).	ST. JOHN'S HALL (J.).
<i>Theology</i>	
*Cave, Rev. Prof. S., M.A. Camb., D.D. Glas. and Lond., B.A. (N.).	*James, Rev. Prof. E. O., D.Litt. Ox., D.D., F.S.A. (KT.).
	Nuttall, Rev. G. F., M.A., D.D. Ox. (N.).
*Clogg, Rev. Prof. F. B., M.A. Camb., B.D. (R.).	*Relton, Rev. Prof. H. M., D.D. (KT.).
Coggan, Rev. F. D., M.A. Camb., D.D. Toronto (J.).	Roberts, Rev. H., M.A. Wales, Ph.D. Camb. (R.).
Dillstone, Rev. F. W., M.A., B.D. Ox. (J.).	*Tasker, Rev. Prof. R. V. G., M.A., B.D. Camb. (KT.).
Dimond, Rev. S. G., M.A. (R.).	*Waterhouse, Rev. Prof. E. S., D.D., D.Litt. (R.).
..... (Samuel Davidson Prof.).	

* Appointed Teacher.

GENERAL INFORMATION

NEW COLLEGE, LONDON (Congregational), 527 Finchley Road, Hampstead, N.W.3. Principal—Rev. Prof. S. Cave, M.A., D.D. Secretary, Rev. J. B. Binns, M.A.

New College, London, the origin of which goes back to 1673, is a Theological Coll. (a Divinity School of the Univ. of London), primarily for the training of men and women for the Congregational Ministry. Students—44. Fees (for students not on the Foundation) : Sessional Composition Fee of the Univ., £45 ; or 9 gs. for each class.

KING'S COLLEGE, THEOLOGICAL DEPARTMENT (Church of England), Strand, W.C.2. Dean—Rev. Canon E. S. Abbott, M.A. Secy.—Sir Thomas P. Creed, K.B.E., M.C., M.A. Ox. Founded 1829 (v. King's Coll.). Complete courses for all Theol. degrees. *Fees* : for tuition, undergraduate courses, £45 per session. *Hostel* for students, King's College Theological Hostel, Vincent Square, S.W.1 ; fee for residence, £90 for three terms. Full-time students, 172 ; internal students of the University, 44 ; part-time students, 100. The College grants the A.K.C. Diploma in Theology.

RICHMOND COLLEGE (Methodist), Richmond, Surrey. Principal—Rev. Prof. E. S. Waterhouse, D.D., D.Litt.

Opened 1843. Students are, normally, accepted candidates for Ministry of

the Methodist Church, but other Univ. students may be admitted. Residential accommodation for 60. Students—56. *Fees*: £160 for residence and tuition.

ST. JOHN'S HALL, formerly at HIGHBURY, N.5 (Church of England). Present Address: Ford Manor, Lingfield, Surrey. New buildings are to be erected at Northwood, Middx. Principal—Rev. F. D. Coggan, M.A., D.D. Hon. Secy. of Council—Rev. T. G. Mohan, M.A.

Founded and endowed 1863 by Dr. A. Peache, Chancellor of the Western Univ. of Canada. Courses for A.L.C.D. (Associateship of the London College of Divinity) and for B.D. of London. *Fees*: Entrance, 2 gs.; board and tuition, £120. Residential accommodation for 46 students. Students—46.

MEDICAL SCHOOLS OF THE UNIVERSITY

RECOGNIZED TEACHERS

Note.—In the following list the names of the Medical and other Schools are indicated by letters thus :

BRITISH POSTGRADUATE MEDICAL FEDERATION, including the Postgraduate Med. Sch. of London (PM.), Institute of Child Health (CH.), Inst. of Neurology (National Hospital for Diseases of the Nervous System) (NH.), the Ophthalmic Institute (Moorfields, Westminster, and Central Eye Hospl.) (Oph.), and the Inst. of Psychiatry (Maudsley Hospl.) (My.).	LONDON HOSPL. MED. COLL. (L.).
CHARINGCROSS HOSPL. MED. SCH. (C.).	LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE (H.).
SCHOOL OF PHARMACY (P.).	MIDDLESEX HOSPL. MED. SCH. (M.).
GUY'S HOSPL. MED. SCH. (G.).	ROYAL CANCER HOSPL. (Can.).
KING'S COLL. HOSPL. MED. SCH. (KM.).	ROYAL DENTAL HOSPL. OF LOND. SCH. OF DENT. SURG. (D.).
LISTER INSTITUTE (LI.).	ROYAL FREE HOSPITAL SCH. OF MED. (R.F.).
	ST. BART.'S HOSPL. MED. COLL. (B.).
	ST. GEORGE'S HOSPL. MED. SCH. (SG.).
	ST. MARY'S HOSPL. MED. SCH. (SM.).
	ST. THOMAS'S HOSPL. MED. SCH. (T.).
	UNIV. COLL. HOSPL. MED. SCH. (UM.).
	WESTMINSTER MED. SCH. (W.).

and names of certain institutions having recognized teachers thus :

NATIONAL INSTITUTE FOR MEDICAL RESEARCH (MR.).

Anæsthetics

Dawkins, C. J. M., M.A., M.D. Camb. (UM.).
Edwards, G., D.A. (SG.).
Evans, F. T., M.B., B.S. (B.).
Hall, V. F. (KM.).
Hewer, C. L., M.B., B.S. (B.).
Hudson, M. W. P., M.B., B.S. (UM.).
Idris, A. E. W. (M.).
Johnson, B. R. M., D.A. (M.).
Johnson, E. F., M.B., B.S. (SG.).
Karn, R. G. (D.).
Law, W. A., M.B., B.S. (T.).
Lloyd-Williams, Katharine G., M.D. (RF.).
Marston, A. D., L.D.S. (G.).
Rowbotham, F. S., M.D. Durh. (RF.).

Anatomy

Bowden, Ruth E. M., M.B., B.S. (RF.).
Boyd, J. D., M.D., B.Ch., B.A.O., M.Sc. Belfast, M.A. Camb. Prof. (L.).
Cave, A. J. E., D.Sc., M.D., Ch.B. Manc. Prof. (B.).
Dickson, L. M., M.B., Ch.B. Glas. (RF.).
Foster, C. L., Ph.D. (Histol.) (SM.).
Goldby, F., M.A., M.D. Camb. Prof. (SM.)
Hamilton, W. J., D.Sc. Glas., M.Sc., M.D., B.Ch., B.A.O. Belf. Prof. (C.).
Harper, W. F., B.Sc., Ph.D., M.D. St. And. Reader (L.).

- Johnston, T. B., M.B., Ch.B. Edin.
Prof. (G.).
- Keene, Mrs. M. F. L., M.B., B.S.,
D.Sc. Prof. (R.F.).
- Kirk, J., M.B., Ch.B. Edin.,
F.R.C.S.Ed.
- S. A. Courtauld Prof. (M.).
- Pritchard, J. J., M.A., M.B., B.Ch.
Ox., B.Sc. Adel. (SM.)
- Robinson, R. H. O. B., B.A., M.B.,
M.Ch. Camb., F.R.C.S. (T.).
- Walls, E. W., B.Sc., M.B., Ch.B.,
D.M. Glas. Reader (M.).
- Whillis, J., M.D., M.S. Durh.,
F.R.C.S. Reader (G.).
- Bacteriology*, v. also Path.
- Andrewes, C. H., M.D., F.R.S.
(MR.).
- Bamforth, J., M.D., Ch.B., D.P.H.
Liv. (T.).
- Barber, Mary, M.D., B.S. (P.M.).
- Bedson, S. P., M.Sc., M.D., B.S.
Durh., D.Sc. Belf., F.R.S.
- Goldsmiths' Prof. (L.).
- Cruickshank, J. C., M.B., Ch.B.
Edin., D.P.H. Prof. (H.).
- Elek, S. D., M.D. (SG.).
- Elliott, S. D., M.A. Camb., M.D.,
B.S. Reader (L.).
- Fleming, Sir Alexander, M.B.,
B.S. Prof. (SM.).
- Freeman, J., D.M., B.Ch. Ox.,
M.A. (SM.).
- Garrod, L. P., M.A., M.D., B.Ch.
Camb. Prof. (B.).
- Hare, R., M.D., B.S. Prof. (T.).
- Himmelweit, H., M.D. Berlin,
Ph.D. (SM.).
- Long, D., M.D. (H.).
- Miles, A. A., M.A., M.B. Camb.
(MR.).
- Selbie, F. R., M.A., M.D. Aberd.,
Ph.D. Reader (M.).
- Smith, W., M.D., Ch.B. Manc.
Prof. (UM.).
- Stamp, Lord, M.B., B.Ch. Camb.
Prof. (PM.).
- Biochemistry*, v. also Patho-
logical Chemistry
- Birkinshaw, J. H., D.Sc. Leeds
Reader (H.).
- Boyland, E., M.Sc. Manc., D.Sc.
Prof. (Can.).
- Coward, Katharine H., M.Sc.
Manc., D.Sc. Reader (P.).
- Davidson, J. N., D.Sc., M.D.,
Ch.B. Edin. Prof. (T.).
- Dickens, F., M.A. Camb., D.Sc.,
F.R.S. Prof. (M.).
- Dodds, E. C., M.V.O., D.Sc., M.D.,
B.S., Ph.D. Prof. (M.).
- Fawns, H. T., M.Sc. (L.).
- Fildes, Sir Paul, M.A., M.B., B.Ch.
Camb., F.R.S. (LI.).
- Gray, C. H., M.B., B.S., M.Sc.
(KM.).
- Harington, C. R., M.A. Camb.,
Ph.D. Edin., F.R.S. (MR.).
- Haslewood, G. A. D., M.Sc., Ph.D.
Reader (G.).
- Kekwick, R. A., D.Sc. (W.).
- Kellie, A. E., B.Sc. Durh., Ph.D.
(M.).
- Lawson, W., M.Sc. Liv. (M.).
- Morgan, W. T. J., Ph.D., D.Sc.,
F.R.I.C. Reader (LI.).
- Quastel, J. H., Ph.D. Camb., D.Sc.,
F.R.S. Prof. (Can.).
- Raistrick, H., B.A., Sc.D. Camb.,
D.Sc. Leeds, F.R.S.
- Prof. (H.).
- Reeves, H. G., M.Sc., Ph.D. Birm.,
D.Sc. (B.).
- Ryffel, J. H., M.A., B.Ch. Camb.,
B.Sc. Reader (G.).
- Shore, A., B.Sc. (G.).
- Warren, F. L., M.A. Ox., Ph.D.
(SM.).
- Wormall, A., D.Sc. Leeds
Prof. (B.).
- Young, L., D.Sc. Prof. (T.).
- Zilva, S. S., Ph.D. Giessen, D.Sc.,
F.R.I.C. (LI.).
- Biology*
- Baxter, E. W., B.Sc. (G.).

Lucas, Catherine L. T., M.Sc.
(LM.).
Murray, P. D. F., M.A. Camb.,
D Sc. Syd., B.Sc. Ox.
Reader (B.).
Rushton, W., D Sc., D.I.C. (T.).
Woodger, J. H., D.Sc.
Prof. (M.).

Chemistry

Arrol, W. J., Ph.D. (P.).
Brain, F. H., M.A., Ph.D. Camb.,
B.Sc. (G.).
Ellis, G. W., O.B.E., D.Sc. (SM.).
Ewens, R. V. G., D.Phil. Ox. (G.).
Gibson, C. S., O.B.E., M.A. Ox.
and Camb., B.Sc. Ox., M.Sc.
Tech. Manc., F.R.I.C., F.R.S.
Prof. (G.).
King, G., D.Sc. (SM.).
King, H., D.Sc. Wales, F.R.S.
(MR.).
Kon, G. A. R., M.A. Camb., D.Sc.
Prof. (Can.).
Lawson, A., Ph.D. Glas.
Reader (RF.).
Lowndes, J., F.R.I.C. (T.).
Sanderson, P. M., B.Sc., Ph.D.
(RF.).
Shoppee, C. W., D.Sc.
Reader (Can.).
Town, B. W., B.Sc., Ph.D. (B.).

Chemistry as applied to Hygiene
Delafield, M. E., B.A., M.B., B.Ch.,
D.P.H. Camb. Prof. (H.).

Chemo-therapy

Valentine, F. C. O. Reader (L.).

Child Health

Moncrieff, A. A., M.D., B.S.
Prof. (CH.).

Dentistry, v. infra

Dermatological Histology

Freudenthal, W., M.D. Breslau
Reader (UM.).

Dermatology

Barber, H. W., M.A., M.B., B.Ch.
Camb., F.R.C.P. (G.).

Bettley, F. R., M.D. (M.).
Brain, R. T., M.D., B.S., F.R.C.P.
(RF.).
Dowling, G. B., M.D., B.S.,
F.R.C.P. (T.).
Forman, L., M.D., B.S. (G.).
Franklin, J. L., M.A., M.D. Camb.
(W.).
Goldsmith, W. N., M.A., M.D.
Camb., F.R.C.P. (UM.).
Gordon, H. W., M.C., M.B., B.Ch.
Camb. (SG.).
Heggs, G. B. M., M.D., B.S.
(SM.).
McKenna, R. M. B., M.A., M.D.
Camb., F.R.C.P. (B.).
O'Donovan, W. J., O.B.E., M.D.,
B.S. (L.).
Thomson, M. S., M.A., M.D.
Camb. (KM.).
Wigley, J. E. M., M.B., B.S. Melb.
(C.).

Dietetics

Cowell, S. J., M.A., M.B., B.Ch.
Camb., F.R.C.P. Prof. (UM.).

Diseases of Children

Dobbs, R. H., M.D. Camb. (L.).
Evans, P. R., M.D., M.Sc. Manc.
(KM.).
Franklin, A. W., M.A., M.B.,
B.Ch. Camb., F.R.C.P. (B.).
Harris, C. F., M.D., B.S., F.R.C.P.
(B.).
Hart, E. W., M.A., M.D. Camb.
(M.).
Pearson, W. J., D.S.O., M.C.,
M.A., D.M., Ch.B. Ox.,
F.R.C.P. (UM.).
Pinckney, C. P., M.B., B.Ch.
Camb. (SG.).
Schlesinger, B., M.A., M.D. Camb.
(UM.).
Sheldon, W. P. H., M.D., B.S.
(KM.).
Shelley, Ursula, M.D., B.S. (RF.).
Tallerman, K. H., M.A., M.D.
Camb. (L.).

Entomology, Medical

Busvine, J. R., Ph.D. (H.).

Buxton, P. A., M.A. Camb. Prof. (H.).

Mellanby, K., B.A., Sc.D. Camb.,

Ph.D. Reader (H.).

Forensic Med., v. also Biochem.,

Pathological Chem.

Camps, F. E., M.D. (L.).

Lynch, G. R., O.B.E., M.B., B.S.,

D.P.H. (SM. and W.).

Purchase, W. B., M.A., M.B.,

B.Ch. Camb. (UM.).

Simpson, C. K., M.D., B.S. (G.).

Teare, R. D., M.A., M.B., B.Ch.

Camb. (SG.).

Gynæcology, v. Obstetrics and

Gynæcology

Human Nutrition

Platt, B. S., Ph.D., M.B., Ch.B.

Leeds Prof. (H.).

Hygiene and Public Health

Angus, T. C. (H.).

Bedford, T., Ph.D., D.Sc. (H.).

Mackintosh, J. M., M.A., M.D.,

Ch.B. Glas., D.P.H. Prof. (H.).

Maitland, C. T., M.D., B.Sc.,

F.R.C.P. (T.).

Shinnie, A. J., M.D. Aberd.,

D.P.H. (W.).

Laryngology, Oto-Rhino-

Ashcroft, A. W., M.B., Ch.B.

N.Z., F.R.C.S. (W.).

Bateman, G. H., B.A., B.Ch. Ox.

(T.).

Bowen-Davies, A., M.B., B.Ch.

Camb. (L.).

Brown, L. G., M.C., M.A., D.M.

Ox., F.R.C.S. (C.).

Cann, R. J., M.B., M.S. (G.).

Capps, F. C. W., F.R.C.S. (B.).

Cawthorne, T., F.R.C.S. (KM.).

Collier, Dorothy J., B.M., B.Ch.

Ox. (RF.).

Daggett, W. I., M.A., M.B.,

B.Chir. Camb., F.R.C.S. (KM.).

Formby, M. L., B.A., B.Sc. Ox.,

M.B., B.S. Adel., F.R.C.S. (UM.).

Jory, P. J., D.S.O., M.B., Ch.B.

N.Z., F.R.C.S. (SG.).

Lindahl, J. W. S. H., M.Ch. Camb

(L.).

McLaggan, J. D., M.A., M.B.,

B.Ch. Aberd., F.R.C.S.,

F.R.C.S.Ed. (RF.).

Mill, W. A., M.B., M.S., F.R.C.S.

(T.).

Monkhouse, J. P., M.B., B.S.,

F.R.C.S. (M.).

Negus, V. E., M.B., M.S., F.R.C.S.

(KM.).

Neilson, D. F. A., B.A. Camb.,

F.R.C.S. (T.).

Ormerod, F. C., M.D. Manc. (W.).

Peacock, J. R., B.A., B.Ch. Camb.

(SG.).

Reading, P. V., M.S. (G.).

Scott-Brown, W. G., M.A., M.D.,

B.Ch. Camb. (RF.).

Simpson, J. F., F.R.C.S. (SM.).

Suggit, S. C., M.B., B.S., F.R.C.S.

(UM.).

Wadge, Winifred J., M.A. Camb.,

M.B., B.S. (UM.).

Watkyn-Thomas, F. W., B.Ch.

Camb., F.R.C.S. (UM.).

Wilson, C. P., F.R.C.S. (M.).

Medical Mycology

Duncan, J. T. Reader (H.).

Medical Parasitology

Garnham, P. C. C., M.D.

Reader (H.).

Medical Protozoology

Shortt, H. E., M.D., Ch.B. Aberd.,

D.T.M. and H. Prof. (H.).

Medical Statistics

Hill, A. B., D.Sc., Ph.D.

Prof. (H.).

- Irwin, J. O., M.A., Sc.D. Camb., D.Sc. (H.).
 Martin, W. J., Ph.D. (H.).
Medicine, v. also Path. Chem., Dis. of Child., Mental Dis., Pharmacol.
 Baker, C. G., M.D. (G.).
 Beaumont, G. E., M.A., D.M. Ox., F.R.C.P., D.P.H. (M.).
 Bedford, D. E., M.D., B.S., F.R.C.P. (M.).
 Bishop, P. M. F., D.M., B.Ch. Ox. (G.).
 Black, K. O., M.D., B.Ch. Camb. (B.).
 Boland, E. R., F.R.C.P., D.P.H. (G.).
 Boldero, H. E. A., M.A., D.M., B.Ch. Ox., F.R.C.P. (M.).
 Bomford, R. R., M.D., B.Ch., B.A. Ox. (L.).
 Bourne, G., M.D., B.S., F.R.C.P. (B.).
 Brain, W. R., M.A., D.M., B.Ch. Ox., F.R.C.P. (L.).
 Brinton, D. H., B.M., B.Ch. Ox. (SM.).
 Brooks, W. D. W., M.A., B.M., B.Ch. Ox. (SM.).
 Cameron, H. C., M.A. Camb. and Glas., M.D. Camb., F.R.C.P. (G.).
 Campbell, J. M. H., O.B.E., M.A., D.M., B.Ch. Ox., F.R.C.P. (G.).
 Christie, R. V., M.D. Edin., M.Sc. McGill Prof. (B.).
 Clark-Kennedy, A. E., M.D. Camb., F.R.C.P. (L.).
 Conybeare, J. J., M.C., B.A., D.M. Ox., F.R.C.P. (G.).
 Critchley, M., M.D. Brist., F.R.C.P. (KM.).
 Cullinan, E. R., M.D., B.S., F.R.C.P. (B.).
 Davies, D. T., B.Sc., M.D., B.Ch. Wales, F.R.C.P. (RF.).
 de Wesselow, O. L. V., B.A., D.M., B.Ch. Ox., F.R.C.P. Prof. (T.).
 Douthwaite, A. H., M.D., F.R.C.P. (G.).
 Dow, J. F., M.B., B.Ch. Camb. (SG.).
 Dunlop, H. A., M.Sc., M.D., B.S., F.R.C.P. (C.).
 East, C. F. T., M.A., B.M., B.Ch. Ox., F.R.C.P. (KM.).
 Elkington, J. St. C., M.A., M.D. Camb., F.R.C.P. (T.).
 Evans, H., M.D., B.S. (L.).
 Evans, W., M.D., B.S. (L.).
 Feiling, A., B.A., M.D., B.Ch. Camb., F.R.C.P. (SG.).
 Fletcher, E. T. D., M.A., M.D. Camb. (RF.).
 Fraser, R., M.D., Ch.B. N.Z. Reader (PM.).
 Gainsborough, H., M.A., M.D., B.Ch. Camb., F.R.C.P. (SG.).
 Gardiner-Hill, H., M.A., M.D. Camb., F.R.C.P. (T.).
 Gibb, W. E., B.A., D.M. Ox. (B.).
 Gilpin, A., M.D., B.S. (KM.).
 Goadby, H. K., M.A., M.D. Camb. (T.).
 Hadley, G. D., M.A., M.D. Camb. (M.).
 Hampson, A. C., M.C., M.A., M.D. Camb. (G.).
 Hancock, P. E. T., M.B., B.Ch. Camb. (RF.).
 Hardwick, C., M.D. Camb. (G.).
 Harris, K. E., M.A., M.D. Camb., F.R.C.P. (UM.).
 Hawksley, J. C., Ph.D. Birm., M.D., B.S. (UM.).
 Hayward, G. W., M.D., F.R.C.P. Reader (B.).
 Hickling, R. A., B.A., B.Ch., M.D. Camb., F.R.C.P. (C.).
 Hilton, R., M.A., M.D. Camb., F.R.C.P. (T.).
 Himsworth, H. P., M.D., F.R.C.P. Prof. (UM.).
 Hobhouse, E. W. N., M.A., M.D. Ox. (RF.).
 Hoskin, T. J., M.A., M.D., B.Ch. Camb. (RF.).
 Hoyle, J. C., M.D., B.S. (KM.).
 Hunt, T. C., B.A., D.M. Ox. (SM.).

- Hunter, D., M.D., B.S. (L.)
 Hunter, M. I. A., M.D. Camb., F.R.C.P. (SG.)
 Jones, Evan, M.D., B.S. (T.)
 Kekwick, A., M.A., M.B., B.Ch. Camb. Prof. (M.)
 Kremer, M., M.D., B.Sc., F.R.C.P. (M.)
 Lander, F. P. L., M.D., B.S. (RF.)
 Ledingham, Una C., M.D., B.S. (RF.)
 Levick, C. B., M.B., Ch.M. Syd. (SG.)
 Lightwood, R. C., M.D., F.R.C.P., D.P.H. (SM.)
 Livingstone, J. L., M.D., B.S. (KM.)
 Lloyd, W. E., M.D., B.S. (W.)
 McAlpine, D., M.D., Ch.B. Glas., F.R.C.P. (M.)
 McMichael, J., M.D., Ch.B. Edin., F.R.C.P. Ed. Prof. (PM.)
 Mann, W. N., M.D. (G.)
 Marriott, H. L., M.D. (M.)
 Meadows, S. P., B.Sc., M.B., Ch.B. Liv., M.B., B.S. (W.)
 Morland, A. J., M.D., B.S. (UM.)
 Nevin, S., M.D. Belf. (v. *Mental Diseases*) (KM.)
 Oakley, W. G., M.A., M.D., B.Ch. Camb. (KM.)
 Oswald, N. C., M.D. Camb., F.R.C.P. (B.)
 Parkinson, J., M.D., B.S., F.R.C.P. (L.)
 Pearson, R. S. B., B.A., D.M., B.Ch. Ox. (KM.)
 Perry, K. M. A., M.D., B.Ch. Camb. (L.)
 Pickering, G. W., M.A., M.B. Camb., F.R.C.P. Prof. (SM.)
 Plummer, N. S., M.D., B.S. (C.)
 Pochin, E. E., M.D. Camb. (UM.)
 Pritchard, E. A. B., M.A., M.D. Camb., F.R.C.S. (UM.)
 Robson, K., M.A., M.B., B.Ch. Camb. (SG.)
 Rosenheim, M. L., M.D. Camb. (UM.)
 Rowlands, R. A., O.B.E., B.Sc., M.D., B.S., F.R.C.P. (L.)
 Rusby, N. L., D.M. Ox. (L.)
 Scudding, J. G., M.D. (PM.)
 Sharpey-Schafer, E. P., B.A., B.Ch. Camb. (PM.)
 Scowen, E. F., M.D. Reader (B.)
 Smith, J. F., F.R.C.P. (T.)
 Smith, K. S., M.D., B.S. (C.)
 Spence, A. W., M.D. Camb. (B.)
 Stokes, J. F., M.B., B.Ch. Camb. (UM.)
 Stott, A. W., M.A., B.Ch. Camb., F.R.C.P. (W.)
 Symonds, C. P., M.D., B.Ch. Ox., F.R.C.P. (G.)
 Turner, J. W. A., M.A., D.M. Ox., F.R.C.P. (B.)
 Walshe, F. M. R., O.B.E., M.D., B.S., D.Sc., F.R.C.P. (UM.)
 Ward, G. E. S., M.D., B.S., F.R.C.P. (M.)
 Warner, E. C., B.Sc., M.D., B.S. (C.)
 Willcox, A., M.A., M.B., B.Ch. Camb., F.R.C.P. (M.)
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 Wilson, C., M.A., D.M., Ch.B. Ox. Prof. (L.)
- Mental Diseases*
- Curran, D., M.B., B.Ch. Camb., F.R.C.P., D.P.M. (SG.)
 Dillon, F., M.D. Edin. (UM.)
 East, W. N., M.D. (My.)
 Ewen, J. H., D.P.M. (W.)
 Gillespie, W. M., M.D., Ch.B. Ed. (My.)
 Guttmann, E., M.D. Munich (My.)
 Harris, N. G., M.D., B.S. (M.)
 James, G. W. B., M.C., M.D., B.S., D.P.M. (SM.)
 Lewis, A. J., M.D., B.S. Adel. Prof. (My.)
 Mallinson, Sir W. P., M.A., B.M., B.Ch. Ox. (SG.)
 Miller, E., M.A. Camb. (SG.)
 Moodie, W., M.D., Ch.B. St. And. (UM.)
 Nevin, S., M.D., B.Sc. Belf. Prof. (My.)

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D.P.M. (RF.).
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F.R.C.P., F.R.C.S., D.P.M.
(C.).
- Slater, E. T. O., M.A., M.D. Camb.
(My.).
- Strauss, E. B., M.A., D.M. Ox.
(B.).
- Wilson, H. L., M.D., B.Ch. Camb.
(L.).
- Yellowlees, H., O.B.E., M.D.,
Ch.B. Glas., F.R.F.P.S.
Glas., F.R.C.P.Ed., D.P.M.
(T.).
- Myecology, Medical*
- Duncan, J. T. Reader (H.).
- Obstetrics and Gynæcology*
- Arthure, H. G. E., M.D., F.R.C.S.
(C.).
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Camb., F.R.C.S. (B.).
- Bell, A. C. H., M.B., B.S., F.R.C.S.
(W.).
- Blakley, J. B., M.B., B.S. (G.).
- Bourne, A. W., M.A., M.B., B.Ch.
Camb., F.R.C.S. (SM.).
- Bowes, R. K., M.B., Ch.B. Liv.,
M.D., M.S., F.R.C.S. (T.).
- Brews, R. A., M.D., M.S.,
F.R.C.S. (L.).
- Charles, A. H., M.B., B.Ch. Camb.
(SG.).
- Cook, F., B.Sc., M.B., B.S.,
F.R.C.S. (G.).
- Dearnley, Gertrude, M.D., B.S.,
F.R.C.O.G. (RF.).
- Fraser, D. B., B.A., M.B., B.Ch.
Ox., F.R.C.S. (B.).
- Gibberd, G. F., M.S., M.B.,
F.R.C.S. (G.).
- Gilliatt, W., C.V.O., M.D.,
M.S., F.R.C.S., F.R.C.O.G.
(KM.).
- Goodwin, A., O.B.E., M.D., B.S.,
F.R.C.S. (W.).
- Gray, A. O., M.D. Durh.,
F.R.C.P.Ed., F.R.C.S. (C.).
- Gwillim, G. M., M.D., F.R.C.S.,
D.P.H. (SG.).
- Kenny, Meave, M.D., B.S. Panj.
Reader (PM.).
- Kirwan-Taylor, H. G., M.A., M.B.,
B.Ch. Camb. (SG.).
- Lack, V. J. F., M.B., B.S.,
F.R.C.S. (L.).
- MacLeod, D. H., M.B., B.S.,
F.R.C.S. (SM.).
- McNair, A. J., B.A., M.B., B.Ch.
Camb., F.R.C.S. (G.).
- Nixon, W. C. W., M.D., B.S.
Prof. (UM.).
- Palmer, A. C., O.B.E., M.B., B.S.,
F.R.C.S. (KM.).
- Peel, J. H., M.A., B.M., B.Ch. Ox.,
F.R.C.S. (M.).
- Roques, F. W., M.A., M.D., M.Ch.
Camb., F.R.C.S. (M.).
- Searle, W. N., M.B., Ch.B. Otago
(W.).
- Shaw, W., M.A., M.D., B.Ch.
Camb., F.R.C.S. (B.).
- White, N. L., M.A., M.D. Camb.,
F.R.C.S. (UM.).
- Williams, E. H. G., M.D., B.Ch.
Camb. (C.).
- Williams, L. H. W., M.D., M.S.,
F.R.C.S. (SM.).
- Winterton, W. R., M.A., M.B.,
B.Ch. Camb., F.R.C.S. (M.).
- Wrigley, A. J., M.D., B.S.,
F.R.C.S. (T.).
- Young, J., D.S.O., M.D., Ch.B.
Edin., F.R.C.S.Ed., F.R.C.O.G.
Prof. (PM.).
- Ophthalmology*
- Bridgeman, G. J. O., M.B., B.Ch.
Camb. (SG.).
- Doggart, J. H., M.A., M.D. Camb.,
F.R.C.S. (SG.).
- Dollar, J. M., M.S., F.R.C.S.
(RF.).

- Duke-Elder, Sir Stewart, M.A., D.Sc., M.D. St. And., Ph.D., F.R.C.S. (SG.).
 Goldsmith, A. J. B., M.B., B.S. (M.).
 Hudson, A. C., M.A., M.D., B.Ch. Camb., F.R.C.S. (Oph.).
 Law, F. W., M.A., M.D., B.Ch. Camb. (G.).
 Lister, A., B.A., M.B., B.Ch. Camb. (L.).
 Lyle, T. K., M.A., M.D., M.Ch. Camb., F.R.C.S. (KM.).
 Moore, R. F., O.B.E., M.A., B.Ch. Camb., F.R.C.S. (Oph.).
 Morgan, O. G., M.A., M.B., M.Ch. Camb., F.R.C.S. (G.).
 Neame, H., F.R.C.S. (UM.).
 Parsons, Sir John H., C.B.E., D.Sc., M.B., B.S., F.R.C.S., F.R.S. (Oph.).
 Penman, G. G., M.A., M.D. Camb., F.R.C.S. (T.).
 Savin, L. H., M.D., B.S., F.R.C.S. (KM.).
 Scott, R. S., M.A., M.B., B.Ch. Camb., F.R.C.S. (B.).
 Shapland, C. D., M.B., B.S., F.R.C.S. (UM.).
 Stallard, H. B., M.A., M.D., B.Ch. Camb. (B.).
 Whiting, M. H., O.B.E., M.A., M.B., B.Ch. Camb., F.R.C.S. (M.).
 Williamson-Noble, F. A., B.A., M.B., B.Ch. Camb., F.R.C.S. (SM.).
- Orihopædics*
 Batchelor, J. S., F.R.C.S. (G.).
 Brockman, E. P., B.A., M.B., M.Chir. Camb., F.R.C.S. (W.).
 Burrows, H. J., M.A., M.D., B.Ch. Camb., F.R.C.S. (B.).
 Clarke, H. O., M.B., Ch.B., B.A.O. Dub. (L.).
 Ellis, V. H., M.A., B.Chir. Camb., F.R.C.S. (SM.).
 Harding, H. E., F.R.C.S. (W.).
- Higgs, S. L., M.A., M.B., B.Chir. Camb., F.R.C.S. (B.).
 Newman, P. H., F.R.C.S. (M.).
 Stamm, T. T., M.B., B.S., F.R.C.S. (G.).
 Trevor, D., M.B., B.S., F.R.C.S. (C.).
 Vaughan-Jackson, O. J., B.M., B.Ch. Ox. (L.).
 Watson-Jones, Sir Reginald, M.Ch., M.B., B.Sc. Liv. (L.).
 Wiles, P., M.B., M.S., F.R.C.S. (M.).
 Young, R. H., B.Ch. Camb. (SG.).
- Parasitology*, v. Med. Parasitol.
Pathology and Anat.—Morbid, v. also Chem., Bact.
 Barnard, W. G., F.R.C.P. Prof. (T.).
 Bourne, G., D.Sc. W. Aust., D.Phil. Ox. Reader (Histology) (L.).
 Cameron, G. R., D.Sc., M.B., B.S. Melb., F.R.S. Prof. (UM.).
 Chalmers, J. N. M., M.D. Glas. (SG.).
 Crawford, T., B.Sc., M.D., Ch.B. Glas. (SG.).
 Day, T. D., M.A., M.D. Camb. Reader (T.).
 De Navasquez, S. J., M.D., D.T.M. and H. Reader (G.).
 Dible, J. H., M.B., Ch.B. Glas., F.R.C.P. (PM.).
 Drury, A. N., C.B.E., M.D. Camb., F.R.S. (LI.).
 Hadfield, G., M.D., B.S., F.R.C.P. Prof. (B.).
 Haines, R. M., M.D., B.S. (W.).
 Harrison, C. V., B.Sc., M.B., Ch.B. Wales, M.D., B.S. Reader (PM.).
 Hughes, W. H., M.D. (SM.).
 John, R. W. (T.).
 Knott, F. A., M.D., B.S., D.P.H. Reader (G.).
 Louis, F., M.D. (RF.).

McClean, D., D.Phil. Konigsberg,
M.A. (LI.).

Magnus, H. A., M.B., B.S. (KM.)

Maizels, M., M.D., B.S. (Clinical
Path.) Reader (UM.)

Meyer, A., M.D. Bonn (My.).

Newcomb, W. D., M.A., M.D.,
B.Ch. Camb. Prof. (SM.)

Patterson, J., M.Sc. Durh., Ph.D.
St. And. (C.)

Pryce, D. M., M.D. (SM.).

Pulvertaft, R. J. V., B.A., M.D.,
B.Ch. Camb. Prof. (W.)

Russell, Dorothy, M.A. Ox., Sc.D.
Camb., M.D., B.S. Prof. (L.).

Scarff, R. W., M.B., B.S. (Morbidity
Anat. and Histol.) Prof. (M.).

Vines, H. W. C., M.A., M.D., B.Ch.
Camb. (C.)

Warwick, W. T., M.A., M.B.
Camb., F.R.C.S. (M.).

Webb, R. A., Ph.D. Camb., A.B.
Tennessee, M.D. Johns H.
Prof. (RF.)

Woods, W. W. (Morbidity Histol.)
(L.)

Wright, G. P., B.A., D.M., B.Ch.
Ox. Sir W. Dunn Prof. (G.)

Pathology, Chemical

Anderson, A. B., Ph.D. Camb.,
B.Sc. Adel. (SM.).

Griffiths, W. J., B.Sc., Ph.D. (T.).

Harington, C. R., M.A. Camb.,
Ph.D. Edin., F.R.S. (MR.).

Harrison, G. A., B.A., M.D. Camb.
Reader (B.).

King, E. J., M.A. McM., Ph.D. Tor.
Prof. (P.M.).

Lawrence, R. D., M.A., M.D.
Aberd., F.R.C.P. (KM.).

Lynch, G. R., O.B.E., M.B., B.S.,
D.P.H. (SM.).

MacLagan, N. F., M.Sc., M.D.,
B.S. Prof. (W.).

Marrack, J. R., D.S.O., M.C., M.A.,
M.D. Camb. Prof. (L.).

Martin, N. H., M.A., B.Ch. Ox.,
B.Sc. Durh. (SG.).

Morris, C. J. O. R., M.Sc. Wales,
Ph.D. Reader (L.).

Prunty, F. T. G., M.A., M.D.,
B.Ch. Camb. (T.).

Rimington, C., Ph.D. Camb.,
B.Sc. Prof. (UM.).

Thompson, R. H. S., D.M., B.Ch.,
B.Sc. Ox. Prof. (G.).

Williams, Emma C., M.A. Camb.,
M.B., B.S. (RF.).

Pathology, Experimental

Gorer, P. A. I., D.Sc. (G.).

Haddow, A., M.D., Ch.B., D.Sc.
Edin. Prof. (Can.).

Horning, E. S., B.A. Ox., D.Sc.
Melb. Reader (Can.)

Pharmacognosy

Fairbairn, J. W., B.Sc. (P.).

Pharmacology, v. also Med.

Buttle, G. A. H., M.A. Prof. (P.).

Hamill, P., M.A., M.D. Camb.,
D.Sc., F.R.C.P. (B.).

Keele, C. A., M.D., B.S. (M.).

Robson, J. M., D.Sc., M.D., Ch.B.
Leeds Reader (G.).

Scarborough, Eleanor M., M.Sc.,
M.B., B.S. Reader (RF.).

Stewart, H. C., M.D. Camb., Ph.D.
(SM.).

West, G. B., B.Pharm., Ph.D. (P.).

Woolley, V. J., M.A., M.D. Camb.
(T.).

Pharmacy

Berry, H., B.Sc. Prof. (P.).

Dyer, F. J., B.Sc., Ph.D. (P.).

Linnell, W. H., D.Sc., Ph.D. Durh.
Prof. (P.).

Physics

Allsopp, C. B., Ph.D. Camb. (G.).

Banks, T. E., Ph.D. Birm. (G.).

Brinkworth, J. H., D.Sc. (T.).

Clark, L. H. S., Ph.D. (P.).

Hopwood, F. L., B.Sc. Wales,
D.Sc. Prof. (B.).

Lamerton, L. F., M.Sc. (Can.).

Leyshon, Winifred A., B.Sc., Ph.D.
(RF.).

Mayneord, W. V., D.Sc. Birm.
(Applied to Med. Radiol.)
Prof. (Can.).
Roberts, J. E., D.Sc., Ph.D. Leeds
Prof. (M.).
Rowlands, S., Ph.D. Liv. (SM.).
Stead, G., M.A. Camb., D.Sc.
Prof. (G.).

Physical Medicine

Crisp, E. J., M.B., B.Ch. Camb.
(G.).
Shields, D. S. C., B.M., B.Ch. Ox.
(SG.).
Tegner, W. S., B.M., B.Ch. Ox.
(L.).

Physiology

Barcroft, H., M.A., M.D., B.Ch.
Camb. Prof. (T.).
Bishop, P. M. F., B.A., B.M., B.Ch.
Ox. (G.).
Bond, Muriel, M.Sc. (RF.).
Bourne, G., D.Sc. W. Aust.,
D.Phil. Ox. (Histol.)
Reader (L.).
Burns, W., D.Sc., M.B., Ch.B.
Aberd. Prof. (C.).
Crowden, G. P., D.Sc. Prof. (H.).
..... Prof. (RF.).
Danielli, J. F., Ph.D. Camb., D.Sc.
Reader (Can.).
D'Silva, J. L., D.Sc., M.B., B.S.
Reader (B.).
Downman, C. B. B., B.Sc. (T.).
Franklin, K. J., D.M., B.Ch. Ox.
Prof. (B.).
Harris, D. T., B.Sc. Wales, M.D.,
Ch B. Manc., D.Sc., M.B.,
B.S. Prof. (L.).
Hewer, Evelyn E., D.Sc. (Histo-
logy) Reader (RF.).
Huggett, A. St. G. J. McC., D.Sc.,
Ph.D., M.B., B.S. Prof. (SM.).
Killick, Esther M., M.B., Ch.B.,
B.Sc. Leeds Prof. (RF.).
Reid, C., M.A., D.Sc., M.D. Aberd.,
D.P.H. Camb Reader (L.).
Slome, D., Ph.D., M.D., Ch.B.
Cape T. Reader (M.).

Smart, W. A. M., B.Sc., M.B., B.S.
(L.).
Spurrell, W. R., M.Sc., M.B., M.S.,
F.R.C.S. Prof. (G.).
Vass, C. C. N., M.Sc., Ph.D., M.B.,
Ch.B. Leeds Reader (T.).
Wright, S., M.D., F.R.C.P.
Prof. (M.).

Radiology

Blackman, S., D.M.R.E. Camb.
(D.).
Davies, H. W., M.A. Ox. (KM.).
Ellis, F., M.Sc., M.B., Ch.B. Sheff.
(L.).
Fleming, J. A. C., M.B., Ch.B., Ed.
(T.).
Harper, R. A. K., M.B., Ch.B.
Edin. (B.).
Hills, T. H., M.B., B.S. (G.).
Hilton, Elfrida L. G., B.Sc., M.B.,
B.S. (UM).
Hodgson, H. K. G., C.V.O., M.B.,
B.S. Durh., D.M.R.E. Camb.
(M.).
Jupe, M. H. (L.).
Kerley, P. J., M.D. Dub (W.).
McLaren, J. W., M.A. Camb. (T.).
Shanks, S. C., M.D., Ch.B. Glas.
(UM).
Shawcross, F. W. H., M.A. Camb.
(KM).
Smithers, D. W., M.D., B.Ch.
Camb. (Can.).
Staveley, Dulcie C., M.B., B.S.
(RF.).
White, J. D., M.B., Ch.B. Edin.
(P.M.).
Williams, E. R., M.D., D.M.R.E.
Camb.
Williams, I. G., M.B., B.S.,
F.R.C.S. (B.).
Windeyer, B. W., M.B., B.S. Syd.
Prof. (M.).

Surgery, v. also Dis. of Child.

Aird, I., M.B., Ch.M. Edin.
Prof. (P.M.).
Ascroft, P. B., M.B., M.S.,
F.R.C.S. (M.).

- Atkins, H. J. B., M.Ch Ox., F.R.C.S. (G.).
- Badenoch, A. W., M.A., M.D., Ch.M. Aberd., F.R.C.S. (B.).
- Barrett, N. R., M.A., M.B., M.Ch. Camb., F.R.C.S. (T.).
- Barrington, F. J. F., M.B., M.S., F.R.C.S. (UM.).
- Barry, Geraldine M., M.B., M.S., F.R.C.S. (RF.).
- Bell, J. G. Y., M.B., B.S., F.R.C.S. (KM.).
- Blackburn, G., M.A., M.Ch. Camb. (G.).
- Boggon, R. H., M.B., M.S. (T.).
- Brock, R. C., M.B., M.S. (G.).
- Broster, L. R., O B E., M.A., D.M., M.Ch. Ox., F.R.C.S. (C.).
- Burns, B. H., B.A., B.Ch. Camb., F.R.C.S. (SG.).
- Butler, E. C. B., M.B., B.S., F.R.C.S. (L.).
- Buxton, N. St. J. G. D., M.B., B.S., F.R.C.S. (KM.).
- Corbett, R. S., M.A., M.B., M.Chir. Camb., F.R.C.S. (B.).
- Crook, E. A., M.A., M.B., M.Ch. Ox., F.R.C.S. (C.).
- Davies, D. R., M.B., B.S. (UM.).
- Dix, V. W., M.A., M.B., B.Ch. Camb., F.R.C.S. Prof. (L.).
- Doherty, W. D., M.A., M.Ch. Camb., F.R.C.S. (G.).
- Donald, C., M.D., Ch.M. Aberd., F.R.C.S. (L.).
- Eckhoff, N. L. B. V., M.B., M.S., F.R.C.S. (G.).
- Edwards, H. C., M.B., M.S., F.R.C.S. (KM.).
- Everidge, J., O.B.E., F.R.C.S. (KM.).
- Fitzsimons, R. A., B.Sc., M.B., B.S., F.R.C.S. (C.).
- Flemming, C. W., M.Ch. Ox., F.R.C.S. (UM.).
- Gardham, A. J., M.B., M.S., F.R.C.S. (UM.).
- Handfield-Jones, R. M., M.C., M.B., M.S., F.R.C.S. (SM.).
- Heanley, C. L., M.B., B.Ch. Camb. (L.).
- Hosford, J. P., M.B., M.S., F.R.C.S. (B.).
- Hudson, R. V., F.R.C.S. (M.).
- Hume, J. B., M.B., M.S., F.R.C.S. (B.).
- Hunt, A. H., D.M., M.Ch. Ox., F.R.C.S. (B.).
- Hunter, J. B., M.C., M.A., M.B., M.Ch. Camb., F.R.C.S. (KM.).
- Kendall, A. W., M.B., M.S., F.R.C.S. (KM.).
- Kilpatrick, R. F., B.A. Cape T., M.S. (G.).
- Lake, N. C., D.Sc., M.D., M.S., F.R.C.S. (C.).
- Lee, E. S., M.B., M.S., F.R.C.S. (W.).
- Lewis, Emily C., M.B., M.S., F.R.C.S. (RF.).
- McKissock, W., M.S., M.B. (SG.).
- MacLeod, A. C., M.B., B.S., F.R.C.S. (C.).
- Macnab, G. H., M.B., Ch.B. Edin. (W.).
- Maingot, R. H., F.R.C.S. (RF.).
- Marnham, R., M.Ch. Camb., F.R.C.S. (SG.).
- Marshall, C. J., M.D., M.S., F.R.C.S. (C.).
- Martin, E. K., M.B., M.S., F.R.C.S. (UM.).
- Massie, G., M.B., M.S., F.R.C.S. (G.).
- Matthews, D. N., M.D., M.Ch. Camb. (UM.).
- Mitchiner, P. H., C.B.E., M.D., M.S., F.R.C.S. (T.).
- Moore, A. M. A., F.R.C.S. (L.).
- Muir, E. G., M.B., M.S., F.R.C.S. (KM.).
- Mullally, G. T., M.C., M.S., F.R.C.S. (W.).
- Murray, C. J. B., M.S. (M.).

- Neligan, G. E., M.C., M.A., B.M.,
 B.Ch. Ox., F.R.C.S. (L.).
 Nicholls, M. F., M.A., M.Ch.
 Camb, F.R.C.S. (SG.).
 Northfield, D. W. C., M.B., M.S.,
 F.R.C.S. (L.).
 O'Connell, J. E. A., M.S., F.R.C.S.
 (B.).
 Ogilvie, W. H., M.A., M.D., M.Ch.
 Ox., F.R.C.S. (G.).
 Pannett, C. A., B.Sc., M.D., B.S.,
 F.R.C.S. Prof (SM.).
 Patey, D. H., M.B., M.S., F.R.C.S.
 (M.).
 Perkins, G., B.A., M.B., M.Ch.
 Ox. Prof. (T.).
 Perry, A. C., M.B., M.S., F.R.C.S.
 (L.).
 Pilcher, R. S., M.B., M.S.,
 F.R.C.S. Prof. (UM.).
 Porritt, A. E., M.A., M.B., M.Ch.
 Ox., F.R.C.S. (SM.).
 Riches, E. W., M.C., M.B., M.S.,
 F.R.C.S. (M.).
 Riddell, V. H., M.A., M.D. Camb.
 (SG.).
 Robinson, R. H. O. B., B.A., M.B.,
 B.Ch. Camb., F.R.C.S. (T.).
 Romanis, W. H. C., M.A., M.B.,
 M.Ch. Camb., F.R.C.S. (T.).
 Ross, J. P., M.B., M.S., F.R.C.S.
 Prof. (B.).
 Shattock, C. E., M.D., M.S.,
 F.R.C.S. (RF.).
 Siddons, A. H. M., M.Ch. Camb.
 (SG.).
 Slesinger, E. G., O.B.E., B.Sc.,
 M.B., M.S., F.R.C.S. (G.).
 Smith, E. R., M.S. (SG.).
 Taylor, H., M.A., M.D., M.Ch.
 Camb. (L.).
 Taylor, J., O.B.E., M.B., M.S.,
 F.R.C.S. (UM.).
 Thomas, C. P., F.R.C.S. (W.).
 Wakeley, Sir C. P. G., K.B.E.,
 D.Sc., F.R.C.S. (KM.).
 Warwick, W. T., M.A., M.B., B.Ch.
 Camb., F.R.C.S. (M.).
 Wass, S. H., M.S. (G.).
 Wood, H. L., M.B., M.S., F.R.C.S.
 (KM.).
 Wright, A. D., M.B., M.S.,
 F.R.C.S., D.T.M. and H.
 (SM.).
- Tropical Hygiene*
- Macdonald, G., M.D., Ch.B.,
 D.T.M. Liv, D.P.H.
 Prof. (H.).
- Tropical Medicine*
- Buckley, J. J. C., D.Sc. N.U.I.
 (H.).
 Fairley, N. H., O.B.E., D.Sc., M.D.
 Melb., F.R.C.P., D.T.M. and
 H. Camb. Prof. (H.).
 Murgatroyd, F., M.D., Ch.B. Liv.
 (H.).
- Venereal Diseases*
- Anwyl-Davies, T., M.D., B.S.
 (T.).
 King, A. J., M.B., B.S. (L.).
 Lloyd, V. E., M.C., M.B., B.S. (G.).
 McElligott, G. L. M., M.A. Ox.
 (SM.).
 O'Donovan, W. J., O.B.E., M.D.
 (L.).
 Shaw, Mary, M. B., B.S. (RF.).
 Thomas, E. G., B.Sc. Wales, M.D.
 (UM.).
- Dentistry**
- Dental Anat.*
- Hovell, J. H., L.D.S. (D.).
 Messenger, H. L., L.D.S. (G.).
- Dental Medicine*
- Rushton, M. A., M.A., M.B., B.Ch.
 Camb. Prof. (G.).
- Dental Metallurgy*
- Edwards, F. W. (D.).
- Dental Prosthetics*
- Allen, A. G., L.D.S. (L.).

Fenn, H. R. B., L.D.S. Liv., D.D.S. Penn. Prof. (G.).	Hooper, K., L.D.S. (G.).
Fry, W. K., M.C., L.D.S. (G.).	Hovell, J. H., L.D.S. (D.).
Milne, J. B., L.D.S. Edin. (KM.).	James, J., L.D.S. (KM.).
	Jones, A. K. I., L.D.S. (UM.).
	Keizer, W. R., L.D.S. (L.).
	Kenshole, H. H., L.D.S. (G.).
	King, J. J. D., Ch D. Sheff. (KM.).
	McGregor, A. B., M.A., M.D. Camb. (D.).
	Marsh, L. R., L.D.S. (KM.).
	Miles, A. E. W., L.D.S. Reader (L.).
	Moore, A. S., L.D.S. (KM.).
	Packham, A. L., L.D.S. (M. and D.).
	Pringle, K. E., L.D.S. (G.).
	Pritchard, G. B., L.D.S. (Histol.) (G.).
	Riddett, S. A., L.D.S. (D.).
	Shefford, A. D. E., L.D.S. (UM.).
	Wade, W. N. L., L.D.S. (KM.).
	Walker, D. G., M.B., B.Ch. B.A.O., B.Dent.Sc. Dub. (D.).
	Wright, J. A. S., L.D.S. (UM.).
Ainsworth, N. J., M.C., L.D.S. (D.).	
Allen, A. G., L.D.S. (L.).	
Allen, S. G., L.D.S. (L.).	
Breese, H. W. (M.).	
Bulleid, A., L.D.S. (G.).	
Buxton, J. L. D., L.D.S. (UM.).	
Chapman, H., L.D.S. (L.).	
Fickling, B. W., L.D.S. (D.).	
Fish, E. W., M.D., Ch.B., L.D.S. Manc., D.Sc. (SM.).	
Fry, W. K., M.C., L.D.S. (G.).	
Graham, M. P., L.D.S. (D.).	
Greenish, V. A. F., L.D.S. (D.).	
Hankey, G. T., L.D.S. (B and L.).	
Hardwick, H. L., L.D.S. (D.).	
Henry, C. B., L.D.S. (D.).	
Herbert, W. E., L.D.S. Prof. (G.).	

GENERAL INFORMATION

Schools

BRITISH POSTGRADUATE MEDICAL FEDERATION, Central Office,
2 Gordon Square, W.C.1. *Director*—Sir Francis Fraser, M.A., M.D., F.R.C.P.

The Federation is incorporated by Royal Charter and is a School of the Univ. of London.

The purpose of the Federation is to provide in London organized and correlated facilities for postgraduate teaching and research for qualified medical practitioners from the United Kingdom, the Dominions, the Colonies and abroad, and to co-operate with other Universities, Medical Schools, and the Royal Colleges in their provision for postgraduate medical education. The Federation provides: (1) Training for prospective specialists, supplementing the work of the undergraduate medical schools. (2) Advanced revision for practising specialists. (3) Instruction for medical practitioners who, though not specialists, desire more detailed knowledge of any branch of medicine. (4) Instruction for general practitioners.

Education in the major special branches of medicine and surgery is provided at Institutes associated with the special hospitals in London. (*v. infra*).

Further Institutes in process of development are the Inst. of Diseases of the Chest (Brompton Hospl., S.W.3), the Inst. of Cardiology (National Heart Hospl., Westmoreland St., W.1), the Inst. of Dermatology (St. John's Hospl. for Dis. of the Skin, Lisle St., Leicester Sq., W.C.2), the Inst. of Orthopaedics (Royal National Orthopaedic Hospl., Gt. Portland St., W.1), the Inst. of Urology (St. Peter's Hospl., Henrietta St., W.C.2) and the Inst. of Dental Surgery (Eastman Dental Clinic, Royal Free Hospl., Gray's Inn Road, W.C.1). These

are associated in the activities of the Federation and are being expanded and developed as circumstances permit in order to include them as Federated Institutes.

The provision for postgraduate education at these Institutes includes full-time and part-time courses of advanced instruction, clinical assistantships, junior and senior resident hospital appointments and opportunities for research. The Federation administers, on behalf of the University, the Government Scheme for the Postgraduate Education of Medical Officers on release from the Forces, and organizes short refresher courses for general practitioners conducted at general hospitals, both voluntary and municipal, which are not engaged in undergraduate teaching. The Central Office maintains a bureau of information on postgraduate medical educn. in the United Kingdom.

Included in the Federation :—

(a) POSTGRADUATE MEDICAL SCHOOL OF LONDON, Ducane Rd., Shepherd's Bush, W.12. *Dean*—C. E. Newman, M.D., F.R.C.P. *Secy.*—Miss C. O'Driscoll.

Incorporated by Royal Charter 1931, reconstituted by Royal Charter 1946, as an Institute of the British Postgraduate Medical Fedn. for postgrad. instruction in clinical medicine, including Surgery, Obstetrics and Gynæcol., Pathol. and Radiol. Students may be of either sex but must hold a Univ. degree of their own country or a qualification registrable in this country.

The School is associated with the Hammersmith Hospital, L.C.C., consisting, when fully opened, of 710 beds. During the Univ. terms fully-organized teaching is arranged daily from 9 A.M. to 4 P.M.; hospil. practice only is available during the vacations. Facilities also provided for research work under the direction of the Professors. A course for the Diploma in Clinical Pathology commences annually in October.

(b) INSTITUTE OF CHILD HEALTH (The Hospital for Sick Children, Great Ormond Street, W.C.1).

Founded 1945. The object of the Institute is to promote and co-ordinate the study of problems relating to children in sickness and in health, from the prenatal stage to school-leaving age. Postgraduate tuition in all aspects of Pædiatrics is provided daily from 10 A.M. to 4 P.M. in three terms of roughly three and a half months each throughout the year. Courses of lectures on special subjects are also given each term, for which separate tickets are issued from those taken out for daily postgraduate tuition. The fees are : 6 mos., 25 gs. ; 3 mos., 15 gs. : and for shorter periods by arrangement.

Dean—W. G. Wyllie, M.D., F.R.C.P.

(c) INSTITUTE OF NEUROLOGY (National Hospital for Diseases of the Nervous System, Queen Square, W.C.1). *Dean*—J. Purdon Martin, M.D., F.R.C.P. *Secy.*—H. Ewart Mitchell.

Founded 1859. Teachers—23. Postgraduate teaching is given in medical and surgical neurology, neuropathology, psychiatry and the neurological aspects of ophthalmology and otology.

Organized courses are held twice a year. Other teaching is going on continuously and clinical demonstrations are held throughout the year. Research facilities are available for a limited number of advanced students.

(d) OPHTHALMIC INSTITUTE (Moorfields, Westminster and Central Eye Hospital, City Rd., E.C.1). *Dean*—R. C. Davenport, M.B., B.S., F.R.C.S. *Secy.*—Miss M. E. Lloyd-Jones.

Founded 1904.

(e) INSTITUTE OF PSYCHIATRY (Maudsley Hospital, Denmark Hill, S.E.5). *Prof. of Psychiatry*—Prof. Aubrey Lewis, M.D., F.R.C.P. *Prof. of Pathology of Mental Diseases*—Prof. S. Nevin, M.D., F.R.C.P.

Founded by the London County Council for research in Psychological Medicine, the teaching of this subject, and the treatment, on a voluntary basis, of those suffering from neuroses and from recoverable forms of mental disorder. The Hospital, which is similar in general character to the Neurological and Psychiatric Clinics of the Continent and America, and the associated biochemical, electrophysiological, anatomical and psychological laboratories, was admitted as a School of the Univ. on May 7, 1924. The Hospl. has 290 beds and has out-patient departments. Diploma and other courses for graduate students. There is a scientific library, and facilities for research and study. Applications should be made to the Dean.

(f) INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY (Royal National Throat, Nose & Ear Hospital, Gray's Inn Road, W.C.1, and Golden Square, W.1).

CHARING CROSS HOSPITAL Medical School, Charing Cross, W.C.2. *Dean*—H. W. C. Vines, M.A., M.D. *Secy.*—Wyndham Edwards.

Founded 1821. Appointed and Recognized Teachers (v. *supra*)—22. *Fees*: entrance, 10 gs.; annual, £50. Scholarships, Exhibitions, and Prizes of approx. £1000 in value awarded annually. Eight Registrarships, several Clinical assistantships and 27 House Posts filled annually. 300 beds with 160 beds at Mount Vernon Hospl. Admission restricted to 45 students per year. Each student is thereby assured of having a full complement of clinical material and is responsible for not less than 6 beds during clerkship and dressership.

SCHOOL OF PHARMACY, 17 Bloomsbury Sq., W.C.1. *Dean*—Prof. H. Berry, B.Sc., F.R.I.C., Ph.C.

Founded 1842. Admitted as a School of the Univ. on Jan. 1, 1925. Appointed and Recognized Teachers—9 (v. *supra*); others—15. *Fees*: Course for the B.Pharm. (Final) degree, £50 p.a.; for the Pharmaceutical Chemist Qualifying Examn., £50 p.a.; for the Chemist and Druggist Qualifying Examn., £50. Open to women students also.

GUY'S HOSPITAL, Medical School, St. Thomas's St., Borough, S.E.1. *Dean*—E. R. Boland, C.B.E., F.R.C.P. *Secy.*—J. H. E. Winston, F.C.I.S.

Founded in connexion with St. Thomas's, 1769; as a separate School, 1825. Appointed and Recognized Teachers—65 (v. *supra*). Library, 10,000 vols. Museum, 5000 specimens and 2000 drawings. Fully equipped Dental Dept. with Lab. *Fees*: entrance, 15 gs.; annual, £50. Foundations in aid of Research: Trav. Studentship, £100; Studentship in Mat. Med., £60; in Path., £250; Dem'rship in Chn. Chem., £150; in Path., £320; Med. Research Fellowship, etc. Numerous prizes and entrance scholarships. Resident appointments: numerous House appointments are made every 3 mos. from amongst the recently qualified students. Residential accommodation for 75 students. *Students' Publication*: *G.H. Gazette*.

KING'S COLLEGE HOSPITAL MEDICAL SCHOOL, Denmark Hill, S.E.5. *Dean*—Harold C. Edwards, M.S., F.R.C.S. *Vice-Dean*—V. F. Hall, D.A. *Secy.*—W. F. Gunn, LL.B., F.C.I.S.

Appointed and Recognized Teachers—42 (v. *supra*); others—16. Full course in clinical and general hospital work for degrees of London, Oxford, Cam-

bridge, etc. (3 yrs.). *Fee* for complete course, £165. Twelve women students admitted annually. *Scholarships*: Scholarships of a total value of £1530 are offered annually (particulars on application). *Hostel* with accommodation for 80 men students. *Students' Publication*: *K.C.H. Gazette*.

LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Rd., S.W.1. *Director*—A. N. Drury, C.B.E., M.D., F.R.S. *Secy.*—A. L. White.

Founded 1891 for Research into causation, prevention, and treatment of diseases of men and animals. Limited accommodation available to approved Research students of both sexes, usually without fee. Appointed and Recognized Teachers—7 (*v. supra*); 12 other members of scientific staff. Research Studentships advertised as vacancies occur.

LONDON HOSPITAL, Medical College and Dental School, Turner St., E.1. *Dean*—A. E. Clark-Kennedy, M.D., F.R.C.P. *Secy.*—H. P. Laird.

Founded 1781. Appointed and Recognized Teachers—69 (*v. supra*); others—48. Library includes Thompson Yates Research Library containing chief foreign periodicals for Anat., Physiol., and Path. Laboratories include those of the Bernhard Baron Inst. of Path. for Advanced Research. 891 beds. *Fees*: entrance, 10 gs.; annual, £48. 39 scholps. and prizes. Hostel for 98 students. 170 appointments available for students. *Students' Publication*: *L.H. Gazette*.

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE (Incorporating the Ross Institute), Keppel Street (Gower Street), W.C.1. *Dean*—Prof. J. M. Mackintosh, M.A., M.D., F.R.C.P.

This School was constituted by Royal Charter on April 1, 1924. In accordance with the terms of the Charter the School was recognized on Nov. 18, 1931, in the Faculty of Science and in the Faculty of Medicine in so far as the branches of Public Health, Hygiene, State Medicine, and Tropical Medicine are concerned. The school was built and equipped with a sum of \$2,000,000 provided by the Rockefeller Foundation, who made the gift on the understanding that the British Government would make adequate grants for staffing and maintaining the School. It includes the following depts.: (1) Public Health; (2) Biochemistry and Chemistry as applied to Hygiene; (3) Bacteriology and Immunology; (4) Parasitology; (5) Entomology; (6) Medical Statistics; (7) Clinical Tropical Medicine; (8) Ross Institute of Tropical Hygiene; (9) Applied Physiol.; (10) Human Nutrition. The School provides for the training of public health officers, and for research in various branches of preventive medicine. Appointed and Recognized Teachers—24 (*v. supra*).

The courses of study in all branches of the work of the School are given in the premises in Keppel St. (Gower St.), which has excellent labs. and research rooms, a fine lecture theatre and classrooms, library and museum.

Diploma in Tropical Medicine and Hygiene. On Aug. 1, 1924, the School took over from the Seamen's Hospital Society the old School of Tropical Medicine. Students must ordinarily be qualified med. practitioners. The funds available for encouraging research include the Tropical Diseases Research Fund, the Wandsworth Bequest, the Stanley Memorial and the Avebury Memorial Funds. Research expeditions are equipped and maintained by the School. There are 2 courses of 5 months each every year, designed for the D.T.M. and H. of the Conjoint Board and for candidates for the M.D. in Trop. Med. *Fees*: £40 for each course.

Certificate and Diploma in Public Health. The courses of study commencing late September extend over periods of 3 and 9 mos.' whole-time study, and are so arranged that students will be able to comply with all requirements of the Gen. Med. Council. Included in the syllabus are a number of special lectures by recognized experts in various public health problems, and a number of visits to carefully selected places of outstanding public health interest. The courses of study are designed to enable candidates to proceed to the Academic Certif. and Dipl. in Pub. Health instituted by the Univ. Fee for courses, 21 gs. and 54 gs.

Diploma in Bacteriology. The special course of study for the Dipl. in Bacteriol. covers a period of one academic year beginning in October. Fee for course, 54 gs.

In addition to the students taking the Diploma Courses, many are admitted to special courses of study and research in the various branches of the work of the School.

MIDDLESEX HOSPITAL, Medical School, Mortimer St., W.1. *Dean*—H. E. A. Boldero, M.A., D.M., F.R.C.P. *School Secy.*—R. A. Foley, F.C.C.S.

Founded 1835. Appointed and Recognized Teachers—41 (v. *supra*); others—13. Over 730 beds, including *Cancer wing* (90); Bland-Sutton Institute of Path. with Museum and Labs.; Barnato-Joel Research Labs.; the S. A. Courtauld Institute of Biochemistry; the Ferens Institute of Otology; the Meyerstein Institute of Radiotherapy. Scholarships, etc., worth over £1000 p.a. *Fees*: Entrance, £15:15s.; annual for 6 yrs., £50; clubs, £5:5s. p.a.

THE ROYAL CANCER HOSPITAL (FREE), Fulham Rd., S.W.3. *Dean*—R. W. Raven, O.B.E., F.R.C.S. *Secy.*—Victor H. Pinkham.

Founded 1851. A School of the Univ. for the purpose of research in (i.) Advanced Pathology, and (ii.) Radiology in relation to malignant disease.

ROYAL DENTAL HOSPITAL OF LONDON SCHOOL OF DENTAL SURGERY, 32 Leicester Sq., W.C.2. *Dean*—..... *Secy. Superintendent*—W. J. Ickeringill.

Founded 1858. Appointed and Recognized Teachers—12 (v. *supra*); others—30. Library, Museum, and Laboratories. X-ray Dept. Dept. of Clin. Photography and Visual Educn. Students are admitted for the curriculum for the B.D.S. Degree and the L.D.S. Diploma. Entrance Scholarship of £50. *Fees*: for the B.D.S. Degree and the L.D.S. Diploma the fees are £236:12s. Examination fees and the fees at the Genl. Hospl. for lectures are not included

ROYAL FREE HOSPITAL SCHOOL OF MEDICINE, 8 Hunter Street, Brunswick Square, W.C.1. *Dean*—Miss Katharine G. Lloyd-Williams, M.D., B.S. *Warden and Secy.*—Miss N. Moller, M.A.

Founded 1874. Appointed and Recognized Teachers—39 (v. *supra*), others—40. 650 beds. Special arrangements with several other Hospls. for Clin. instruction and dresserships, etc. Research Laboratories: Anat., Biol., Chem., Path., Pharmacol., Physics, Physiol. *Fees*: Entrance, £5; Registration, £5; Annual, £50. Scholps., bursaries and prizes to a total value of £2000 are offered annually. There is an open Postgraduate Scholarship in Medicine with preference to those from, or going to work in, India. *Students' Publication*; *R.F.H.S.M. Magazine*.

ST. BARTHOLOMEW'S HOSPITAL, Medical College, West Smithfield, E.C.1. *Dean*—C. F. Harris, M.D., F.R.C.P.

Founded 1662. Appointed and Recognized Teachers—34 (v. *supra*). *Library*: the largest of the kind in London. *Museum*: 12,000 specimens, 2000 casts and drawings. *Laboratories*, with facilities for research in Path., Pharmacol., etc. 762 beds. *Fees*: 50 gs. each yr. until qualified. *Scholarships*: total annual value over £2000; four for Research (in Med., Surg., Path., etc.) are open to graduates of any Univ. studying at Bart.'s. Large Athletic Grounds. Students' Union, including Athletic Clubs and Abernethian Soc. *Publications*: *Journal* (Students'), monthly.

ST. GEORGE'S HOSPITAL, Medical School, Hyde Park Corner, S.W.1. *Dean*—M. F. Nicholls, C.B.E., M.A., M.Chir., F.R.C.S. *Secy.*—S. A. Williamson.

Founded 1752. Appointed and Recognized Teachers—34 (v. *supra*); others—28. 400 beds. *Fees*: Annual composition, 40 gs. Scholarships, etc., worth £180 p.a. for encouragement of research. *St. G.'s Gazette* is issued 3 times a year.

ST. MARY'S HOSPITAL, Medical School, Paddington, W.2. *Dean*—Denis Brinton, D.M., F.R.C.P. *Secy.*—J. E. Stevenson, LL.B.

A School of the Univ. of London with 39 Appointed and Recognized Teachers. *Fees*: 55 gs. per session. *Scholarships*: Entrance, 5 of £40 a yr. for 5 yrs.; University, for Clinical students, 3 of £50 for 3 yrs. *Clinical Units* in Med. and Surg. Entry restricted to students reading for Univ. degrees. *Students' Publication*: *St. M. H. Gazette*.

ST. THOMAS'S HOSPITAL, Medical School, Albert Embankment, S.E.1. *Dean*—Prof. W. G. Barnard, F.R.C.S. *Secretary to the Medical School*—A. L. Crockford, D.S.O., O.B.E., M.C., T.D., M.A., M.B., B.Ch.

Founded in 13th century. Appointed and Recognized Teachers—48. Well-equipped pre-medical and pre-clinical school. Excellent library and pathological Museum. Fully established Medical and Surgical Clinical Teaching Units. Outstanding facilities for Orthopædic Surgery. Clinical students taken from Oxford and Cambridge. Variety of Scholps. available. Modern Students' Club with refectory, lounge, reading-room, squash courts and tennis court. Women students 15% of total entry. *Fees*: Tuition per annum, £52: 10s.

TROPICAL MEDICINE, LONDON SCHOOL OF HYGIENE AND, v. *supra*.

UNIVERSITY COLLEGE HOSPITAL, Medical School, University Street, W.C.1. *Dean*—S. Cochrane Shanks, M.D., F.R.C.P. *Vice-Dean*—S. J. Cowell, M.B., F.R.C.P. *Vice-Dean for Dental Students*—Alan Shefford, O.B.E., F.D.S. *Secy.*—Maj.-Gen. H. L. Birks, C.B., D.S.O.

The Med. School was separated from the Univ. Coll. Med. Faculty in 1905. A School of Final Medical Studies providing the full course in Clinical and Pathological work for the degrees of the Univs. of London, Oxford, Cambridge and other British Univs. and for the Diplomas of the Royal Colleges of Physicians and Surgeons. Appointed and Recognized Teachers—50 (v. *supra*); others—52. *Library*, 30,000 vols. The *Charles Graham Laboratories*, established in 1902 for research in Path. 36 Resident Appointments annually. Assistantships in the Clinical Units at salaries up to £900 p.a. *Fees*: the fees for the complete

Clinical Course are £165. Oxford or Cambridge students who have completed their course in Pathology, £150. The fees are payable, if desired, in three annual instalments of £55 or £50 respectively. There are no extras, as the fees include: (i.) courses of instruction in Pharmacy, Vaccination, and Fevers; (ii.) Life Subscription to the Medical Soc.; (iii.) Subscription to the U.C.H. Magazine. *Scholarships, etc.*: annual value, £3000. *Students' Hostel*: Adjoining the Medical School is a specially equipped Hostel solely for students in the School. Large bed-sitting-rooms are available as well as Common Rooms. All meals are provided in the School Refectory. A member of the staff resides at the Hostel. *Residence* for Maternity students. *Publications*: *Prospectus, Transactions of Research Dept., Magazine (Students')*. 14 women students admitted annually.

The NATIONAL DENTAL HOSPITAL, founded in 1861, became the Dental Department of Univ. College Hosp. in 1914. Address: 187-191 Gt. Portland St. and 59 Devonshire St., W.1.

WESTMINSTER MEDICAL SCHOOL, Horseferry Rd., Westminster, S.W.1. *Dean*—G. H. Macnab, M.B., Ch.B., F.R.C.S. *Secy.*—W. R. Moule, M.A. Camb.

The new and enlarged School was completed in May 1939 in order to meet the demands of the latest developments in medical education. The buildings offer all the facilities required by the student for his social life, and the lecture theatres, classrooms, and laboratories are specially designed for his instruction.

Scholarships. The David de Souza Scholp. to the value of £40 p.a. is awarded on the results of an examn. in Applied Physiol. held in September. 4 Scholps. each of the value of £40 p.a. for 3 yrs. are awarded on the result of an examn. held in May of each year in First Year subjects. 4 Scholps. of similar value are also awarded annually as the result of examns. in Anat. and Physiol. in April and September.

Fees. Entrance, 10 gs. (For those taking clinical studies only, 8 gs.) Annual, £55, which includes membership of the Sports Union Club with its various branches. The Sports Ground is within 20 minutes of the Hospital.

There is a Hostel for students within 5 minutes' walk of the Hospital. A prospectus and full particulars may be obtained on application to the Dean.

Institutions with Recognized Teachers

NATIONAL INSTITUTE FOR MEDICAL RESEARCH, Hampstead, N.W.3, with associated Farm Laboratories at Mill Hill. *Director*—C. R. Harington, M.A., Ph.D., F.R.S.

Founded 1914. Recognized Teachers—4 (v. *supra*).

Research work in Physiol. and Pharmacol.; Biochemistry; Chemotherapy; Bacteriol. and Virus Diseases; Protistol.; Experimental Biology; Biophysics and Physical Chem.; and Biological Standards. All communications should be addressed to the Secy., Medical Research Council, 38 Old Queen St., S.W.1.

FACULTY OF LAWS

The teaching of the Univ. has been arranged on an intercollegiate basis, the Profs. and Teachers of Univ. and King's Colls. and of the London Sch. of Econ. dividing the work among them, indicated below by (U.) (K.) (E.). For Indian and Ottoman Law, *see* Schl. of Oriental Studies.

APPOINTED AND RECOGNIZED TEACHERS

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| <p>*FitzGerald, R. C., LL.B.
Lectr. in Engl. L. (U.).</p> <p>Graveson, R. H., Ph.D., S.J.D.
Harv., LL.M. Sheff.
Prof. of Engl. L. (K.).</p> <p>*Jolowicz, H. F., M.A. Ox., M.A.,
LL.D. Camb.
Prof. of Roman L. and
Lectr. in Jurispr. (U.).</p> <p>*Kahn-Freund, O., Dr. Jur. Frank-
furt, LL.M. Reader in L. (E.).</p> <p>*Keeton, G. W., M.A., LL.D.
Camb.
Prof. of Engl. L. and Hd.
of Dept. of Laws (U.).</p> <p>Kiralfy, A. K. R., LL.M. (K.).</p> <p>Lloyd, D., M.A. Camb., LL.B.
Reader in Engl. L. (U.).</p> | <p>*Parry, D. Hughes, M.A., LL.M.
Camb., B.A. Wales
Prof. of Engl. L. (E.).</p> <p>Plucknett, T. F. T., LL.B. Camb.,
M.A., F.B.A.
Prof. of Legal Hist. (E.).</p> <p>Potter, H., Ph.D. Birm., LL.D.
Prof. of Engl. L. (K.).</p> <p>Schwarzenberger, G., Dr. Jur.
Tübingen, Ph.D.
Reader in Internat. L. (U.).</p> <p>*Vesey-FitzGerald, S. G., M.A.
Ox., LL.D., I.C.S.
Prof. of Oriental Laws (U.).</p> <p>*Williams, G. Ll., M.A., Ph.D.,
LL.D. Camb.
Reader in Engl. L. (E.).</p> <p>Wood, H. McK., M.A. Ox.
(Internat. L.) (E.).</p> |
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OTHER LECTURERS

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| <p>Rt. Hon. Lord Chorley of Kendal,
M.A. Ox.</p> <p>Davies, C. E. P., M.A., B.C.L. Ox.
(K.).</p> <p>Edwards, J. L. J., B.A. Camb.,
LL.B. Wales (U.).</p> <p>Fleming, J. G., M.A. Ox. (K.).</p> <p>Green, L. C., LL.B. (U.).</p> <p>Grunfeld, C., M.A., LL.B. Camb.
(E.).</p> <p>Hesketh, G. T., M.A., LL.M. (K.).</p> <p>Ivamy, E. R. K., LL.B. (U.).</p> <p>Kitson, E. K., B.A. Camb., LL.B.
(K.).</p> <p>Lang, L. H. A., LL.B. (E.).</p> | <p>Marshall, O. R., B.A. Camb.,
LL.B. (U.).</p> <p>Nokes, G. D., LL.D. (K.).</p> <p>Orr, A. S., O.B.E., M.A. Edin. and
Ox., B.C.L. Ox. (U.).</p> <p>O'Sullivan, R., K.C. (U.).</p> <p>Phillips, A., M.A. Ox. (E.).</p> <p>Potter, D. C., LL.B. (E.).</p> <p>de Smith, S. A., M.A. Camb. (E.).</p> <p>Taylor, P. W. E., M.A. Camb.
(E.).</p> <p>Wellwood, J. W., M.A. Dub. (K.).</p> <p>Zagday, M. I., LL.B., Ph.D. (U.).</p> |
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* Barrister-at-Law.

OTHER INSTITUTIONS HAVING RECOGNIZED TEACHERS

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| (1) GOLDSMITHS' COLLEGE.*
(2) BATTERSEA POLYTECHNIC.
(3) EAST MALLING RESEARCH STATION.
(4) COLLEGE OF ESTATE MANAGEMENT.
(5) JEWS' COLL.
(6) NORTHAMPTON POLYTECHNIC.
(7) NORTHERN POLYTECHNIC.
(8) ROYAL VETERINARY COLL.
(9) SIR JOHN CASS TECH. INST.
(10) CHELSEA POLYTECHNIC. | (11) WEST HAM MUNICIPAL COLL.
(12) WOOLWICH POLYTECHNIC.
(13) MARIA GREY TRAINING COLL.
(14) FURZEDOWN TRAINING COLLEGE.
(15) JOHN INNES HORTICULTURAL INSTITUTION.
(16) ROTHAMSTED EXPERIMENTAL STATION.
(17) ROYAL ACADEMY OF MUSIC.
(18) ROYAL COLL. OF MUSIC.
(19) TRINITY COLL. OF MUSIC.
(20) ROYAL INSTITUTION. |
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* Incorporated in the Univ.

NAMES OF RECOGNIZED TEACHERS

- | <i>Agricultural Botany</i> | <i>Chemistry</i> |
|---|--|
| Brenchley, Winifred E., D.Sc. (16). | Crowther, E. M., D.Sc. Leeds, D.I.C. (Soil C.) (16). |
| <i>Bacteriology</i> | Dean, H. K., Ph.D. Liv. (10): |
| Lovell, R., M.Sc. Manc., Ph.D. (8). | Dippy, J. F. J., D.Sc. Wales (10). |
| <i>Biochemistry</i> | Drakeley, T. J., D.Sc., Ph.D., F.R.I.C. (7). |
| Tattersfield, F., D.Sc. (16). | Garside, J. E., M.Sc. Tech. Manc., Ph.D. (6). |
| <i>Biology, v. supra, Medical Schools</i> | Gerrard, W., M.Sc., Ph.D. (7). |
| <i>Botany</i> | Hebdon, E. A. W., B.Sc. (10). |
| Bawden, F. C., M.A. Camb. (16). | Houston, A. H. J., M.Sc., Ph.D. (2). |
| Barnes, B. F., D.Sc., Ph.D. (10). | Jeffery, G. H., Ph.D. (12). |
| Berkeley, C. J. A., B.Sc. (10). | Kenyon, J., D.Sc., F.R.I.C. (2). |
| Brett, Margaret, M.Sc., Ph.D. (7). | King, H. J. S., Ph.D., M.Sc. (7). |
| Duerden, H., B.Sc., Ph.D. (10). | Lindsey, A. J., M.C., Ph.D., F.R.I.C. (9). |
| Harris, R. V., D.Sc. (3). | Rideal, E. K., M.A. Camb., Ph.D. Bonn, D.Sc., F.R.S. (20). |
| Mather, K., D.Sc. (15). | Roach, W. A., D.Sc., D.I.C. (3). |
| Mer, C. L., Ph.D. (9). | Rudge, E. A., M.Sc., Ph.D. (11). |
| | Skellon, I. H., B.Sc. Brist., M.Sc. |

- Smith, C. G., Ph.D. (7).
 Smith, F. W., M.Sc. (7).
 Smith, J. W., D.Sc. (2).
 Vogel, A. I., D.Sc., D.I.C. (12).
 Ward, A. M., D.Sc. (9).
- Spencer, W. G., M.Sc.Tech. Manc. (12).
English
 Dymes, Dorothy M. E., M.A. (1).
 Evans, M., Ph.D. Camb. (1).

Classics

- Handford, S. A., M.A. Ox. (1)

Cytology

- Darlington, C. D., D.Sc., Ph.D. (15).

Education, v. also Music

- Bowman, Margaret E., M.A. Camb. (13).
 Cant, Mildred, B.A. (13).
 Day, Theodora, M.A. (13).
 Dean, A. E., M.A., M.Litt. Durh. (1).
 Feyer, Dorothy M., B.Sc., M.A., Ph.D. (13).
 Kaye, M., M.A., Ph.D. (1).
 Silsby, Eleanor, M.Sc. (14).
 Smith, Phyllis W., M.A. (13).

Engin., Civil and Mech.

- Ashworth, M. H., B.Sc. Manc. (12).
 Brooks, W. H., Ph.D., B.Sc. (Eng.) (6).
 Davies, V. C., B.Sc. (Eng.) (2).
 Dumbrill, W. E., B.Sc. (Fluids) (6).
 Franklin, H. W., M.A. Camb. (6).
 Gladwyn, A. E., B.Sc. (Eng.) (11).
 Hamilton, K. W., B.Sc. (Eng.) (2).
 Oakden, J. C., M.A. Camb., M.Sc. Tech. Manc. (6).
 Peck, W. J., M.Sc. (Eng.) Sheff. (2).
 Robertson, S. A., B.Sc. (Eng.), B.Com. (2).

Engineering, Electrical

- Dover, A. T. (2).
 Freeman, G. F., M.Sc. (Eng.) (11).
 Mallett, E., D.Sc. (Eng.) (12).
 Mann, H. C., B.Sc. (Eng.) (2).

Entomology

- Massee, A. M., D.Sc. (3).
 Williams, C. B., M.A., Sc.D. Camb. (16).

Estate Management

- Adkin, B. C., M.A. Camb., B.Sc. (Agric. and Forestry) (4).
 Gumbrell, L. B. (Sanitation) (4).
 Jenkins, W. R., B.Sc. (Eng.), B.Sc. (Town Planning and Estate Development and Local Government Law) (4).
 Lawrance, D. M., B.Sc. (Theory and Principles of Valuation of Land and Buildings and History and Principles of Taxation and Tithe) (4).
 Smith, J. F. G., F.R.I.B.A. (Construction of Buildings) (4).

Genetics

- Crane, M. B. (15).

Geography

- Cons, G. J., M.A. (1).

Geology

- Fleet, W. F., M.Sc., Ph.D. (10).
 Jones, F., Ph.D., M.Sc. (7).

History

- Ridout, E. S. F., M.A. Camb., B.A. Dub., L. ès L. Lille, Ph.D. (1).

Horticulture

- Hatton, R. G., C.B.E., M.A. Ox., D.Sc. (3).
 Rogers, W. S., M.A. Camb., Ph.D. (3).

Mathematics

- Church, A. E. R., M.A., D.Sc. (10).
 Geary, A., M.A. Camb., M.Sc. (6).

Hayden, H. A., B.Sc. Wales, D.Sc.

(2).

Littlejohn, E. S., M.Sc. Manc. (11).

Lowry, H. V., M.A. Camb. (12).

Ludlam, A. E., M.Sc. Birm. (10).

Martin, E. S., B.Sc., Ph.D. (7).

Medicine and Surgery, v. supra,
Medical Schools

Metallurgy

Derry, L. W., B.Sc. Birm., M.Sc.
Tech Manc. (2).

Naish, W. A., B.Sc., Ph.D.,
F.R.I.C. (2).

Singlehurst-Ward, L., B.Sc. (Eng.)
Birm. (9).

Music

Brockless, G. F., Mus.D. Durh.,
F.R.C.O. (2).

Coates, H. J., M.A. Camb., Ph.D.
(19).

Dunwell, W., B.A. Leeds, Mus.B.
Durh., F.R.C.O. (19).

Durrant, F. T., B.Mus. Durh.,
D.Mus. (17).

Farjeon, H., F.R.A.M. (17).

Howells, H. N., D.Mus. Ox.,
F.R.C.O. (18).

Jacob, G., D.Mus. (18).

Latham, P. M. S., M.A., Mus.B.
Ox. (19).

Long, J. C., Mus.B. Ox. (19).

Lovelock, W., D.Mus. (19).

Marchant, Sir Stanley, K.C.V.O.,
D.Mus. Ox., F.R.A.M.,
F.R.C.O., F.S.A. Prof. (17).

Morris, R. O., M.A., D.Mus. Ox.
(18).

Oldroyd, G., D.Mus. (19).

Regan, L. W. A., B.Mus. Ox.,
F.R.C.O. (17).

Rowley, A., F.R.C.O. (19).

Sowerbutts, J. A., B.Mus.,
F.R.C.O. (17).

Thiman, E. H., D.Mus. (17).

Pedagogy, v. Education

Pharmacy and Pharmacognosy

Morton, C., B.Sc. Lond., (10).

Physics

Bate, A. E., Ph.D., M.Sc. (7).

Freeman, L. J., B.Sc., Ph.D.,
D.I.C. (10).

George, W. H., M.Sc., Ph.D. (11).

Humphry, R. H., M.Sc. Birm.,
F.Inst.P. (10).

Marsh, S., D.Sc. Wales, Ph.D.
Gött. (2).

Smith, D. H., Ph.D. (12).

Swaine, W., B.Sc. Manc. (11).

Symons, A. S. M., B.Sc., Ph.D.,
D.I.C. (2).

Plant Physiology

Vyvyan, M. C., M.A. Camb. (3).

Semitic Languages

Epstein, I., D.Lit., Ph.D. (5).

Zimmels, H. J., D.Phil. Vienna (5).

Soil Bacteriology

Thornton, H. G., B.A. Ox., D.Sc.
(16).

Statistics

Hoblyn, T. N. (3).

Yates, F., M.A. Camb. (16).

Veterinary Science

Amoroso, E. C., M.B., B.Ch.,
B.A.O. N.U.I., Ph.D. (8).

Bosworth, T. J., M.A. Camb., B.Sc.
(Vet. Sci.) (8).

Harvey, D. G., Ph.D. (8).

McCunn, J. (8).

Oldham, J. N., Ph.D. Edin. (8).

Rosenberg, H. F., M.D. Berlin,
Ph.D. (8).

Zoology

Brown, Eleanor M., B.Sc. (10).

Etherington, D., M.Sc. (7).

Hentschel, C. C., M.Sc. (10).

Potter, C., D.Sc. (16).

Watson, J. M. (7).

GENERAL INFORMATION

[(a) Principal. (b) Subjects in which recognized. (c) Number of students.]

1. UNIVERSITY OF LONDON GOLDSMITHS' COLLEGE, New Cross, S.E.14. Incorporated in the Univ. *Warden, and Principal of the Training Dept.*—A. E. Dean, C.B.E., M.A., M.Litt. *Vice-Principals of Training Dept.*—Miss D. M. E. Dymes, M.A., and E. A. Wheeler, O.B.E., M.Sc.

Training Department. Recognized by Ministry of Educn. as a Training Coll. Ordinary course—2 yrs., or for B.A. (General) or B.Sc. (General) degree—4 yrs. Lectrs. and Instrs.—40. Hostels provide accommodation for nearly all the women and some of the men students. Recognized Teachers—9 (*v. supra*)—Classics, Educn., Eng., French, Geog., Hist., Maths.

School of Art (Day and Evening). Headmaster and 25 Assts. *Fees*: Day, £5 to £15; Evening, 1s. for any one sessional class or £1 for an inclusive course on three evenings.

The Evening Department of Adult Education. Provides opportunities of non-vocational study for men and women. *Fees*: 10s. for any one sessional class or £1 for an inclusive course on any number of evenings.

2. BATTERSEA POLYTECHNIC, Battersea Park Rd., S.W.11. (a) R. W. West, D.Sc., F.R.I.C., F.I.R.I. (b) Chem., Engin. (Civ. Elec., Mech. and Chem.), Maths., Metallurgy, Music, Physics. (c) 2582.

3. EAST MALLING RESEARCH STATION, East Malling, Kent. (a) *Director*—R. G. Hatton, C.B.E., M.A., D.Sc., F.R.S. (b) Fruit Production (including Horticulture (Pomology), Statistics, Plant Physiol., Chem. (in rel. to Fruitgrowing), Plant Pathol., Entomol., Chem. (Plant Protection)). For post-graduate research students only. (c) Maximum accommodation, 16.

4. COLLEGE OF ESTATE MANAGEMENT, 11 Great George Street, S.W.1. (a) S. J. Worsley, D.S.O., M.C., M.A. (b) Subjects for the Degree in Estate Management. (c) Day, 235 (incl. 81 reading for the B.Sc. degree in Estate Management); Evg., 206.

5. JEWS' COLLEGE, Woburn House, Tavistock Sq., W.C.1. (a) *Director of Studies*, Rabbi Dr. I. Epstein. (b) Hebrew, Semitics. (c) 50.

6. NORTHAMPTON POLYTECHNIC, St. John St., E.C.1. (a) J. E. Richardson, Ph.D., B.Eng. (b) Engin. (Civil, Mech., Aeronaut., Elec., Elec. Communications), Physics, Chem., Maths., Ophthalmic Optics. (c) 5000.

7. NORTHERN POLYTECHNIC, Holloway Rd., N.7. (a) T. J. Drakeley, D.Sc., Ph.D., F.R.I.C. (b) Bot., Chem., Geol., Zool., Maths., Physics. (c) 4100.

8. ROYAL VETERINARY COLLEGE, Royal College St., Camden Town, N.W.1. (a) J. B. Buxton, M.A., F.R.C.V.S., D.V.H. (b) Chem., Vet. Anat., Vet. Hyg., Vet. Path. and Bact., Biol., Histol., Physiol., Biochem. (c) 430.

9. SIR JOHN CASS TECHNICAL INSTITUTE, Jewry St., Aldgate, E.C.3. (a) A. M. Ward, D.Sc., Ph.D., F.R.I.C. (b) Bot., Chem., Maths., Metallurgy, Physics, Zool. (c) 3000 (approx.).

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Birm., F.Inst.P.

(Acoustics) Sr. Lectr.
Aitchison, M., B.A., Mus.B. Camb.
Asst. Lectr.

Palæography

Tyson, M., M.A., Ph.D. Sp. Lectr.

Philosophy, v. also Theol.

Emmet, Dorothy M., M.A. Ox.

Sir Samuel Hall Prof.

Teale, A. E., B.A. Leeds, B.Litt.
Ox. Lectr.

Mays, W., Ph.D. Camb. Lectr.

Physical Education

Harper, R. St. G. T., M.A. Ox.

Lectr. and Director.

Physics, v. also Electro-Technics and Elect. Engin.

Blackett, P. M. S., M.A. Camb.,
D.Sc. Delhi, M.Sc., F.R.S.

Langworthy Prof. and
Dir. of Phys. Labs.

Rosenfeld, L., Ph.D. Liège
(Theoret. Phys.) Prof.

Gilbert, C. W., M.A., Ph.D. Camb.
Hon. Reader.

Henry, D. C., M.A. Camb. (Colloid
Phys.) Reader.

Sr. Lecturers

Nuttall, J. M., D.Sc., F.I.P.
Asst. Dir. of Phys. Labs.

Braddick, H. J., B.A., Ph.D.
Camb.

Vick, F. A., O.B.E., B.Sc., Ph.D.
Birm., F.Inst.P.

Wilson, J. G., M.A., Ph.D. Camb.,
F.Inst.P.

Lovell, A. C. B., O.B.E., B.Sc.,
Ph.D. Brist., F.Inst.P.

Lecturers

Rochester, G. D., M.Sc., Ph.D.
Durh., F.Inst.P.

Herlofson, A. N., cand. real. Oslo.

Butler, C. C., B.Sc., Ph.D. Read-
ing.

Sutherland, G. A., M.A. Camb.
Sp. Lectr.

Assistant Lecturers

Wilcock, W. L., B.Sc.

Runcorn, S. K., B.A. Camb.

Broadbent, D., B.Sc.

Clegg, J. A., B.Sc.

Owen, B. G., B.Sc. Wales.

Newth, J. A., B.A. Camb
Dolbear, D. W. N., M.Sc.

Physiology

Schlapp, W., M.B., Ch.B., B.Sc.,
Ph.D. Edin.

Brackenbury Prof. and
Director of the Labs.

Raper, H. S., C.B.E., D.Sc., LL.D.,
M.B., Ch.B. Leeds, M.Sc.,
F.R.C.P., F.R.S. (Chem.
Physiol.) Prof.

Harper, A. A., M.A., M.B., Ch.B.
Aberd. (Human Phys.)

Reader.

Kendal, L. P., Ph.D. Camb., M.Sc.
(Physiol. Chem.) Lectr.

Saunders, M. G., M.Sc., M.B.,
Ch.B. (Exp. P.) Lectr.

Lambert, V. F., M.D., Ch.M.,
F.R.C.S.Ed. (App. P.) Lectr.

Jones, A. Morgan, M.Sc., M.B.,
Ch.B. (App. P.) Lectr.

Griffiths, D. Ll., B.Sc., M.B.,
Ch.B., F.R.C.S. (App. P.)

Hon. Asst. Lectr.

Howat, H. T., M.B., Ch.B. St.
And. (App. P.) Asst. Lectr.

Stanbury, S. W., M.B., Ch.B.
(App. P.) Asst. Lectr.

Demonstrators

Gowenlock, A. H., M.Sc., Ph.D.
(Physiol. Chem.).

Crick, Joan, M.Sc. (Chem. Physiol.).

Bradley, K., M.Sc. (Exp. P.).

Walker, A. G., B.Sc., M.B., Ch.B.
(Exp. P.).

Psychology

Pear, T. H., B.Sc. Lond., M.A.
Prof.

MacNeill, Florence E., M.A., B.Ed.,
Ph.D. Edin. Lectr.

Hopkins, J. M., B.A. Camb.
Lectr.

Kitching, E. H., M.D. Leeds,
D.P.M. Sp. Lectr.

Irvine, May, B.A. Liv. (Psychiatric
Soc. Worker's Course) Tutor.

Pub. Administration, v. Econs
and Commerce

Romance Philology

Reid, T. B. W., M.A., LL.B. Dub.,
L. ès L. Montpellier Prof

Russian Studies

Dobrin, S., LL.M. St. Petersburg
Sir William Mather Prof

Davies, Duklida, B.A. Moscow
Asst. Lectr

Semitic Languages, v. Theol.

Social Study

Collier, Frances, M.A. Reader
Stancliffe, Barbara N., B.A. Ox.

Lectr.

Murray, Mary S., M.A. Bryn Mawr,
B.A. Camb. Lectr.

Rodgers, A. B. L., B.Sc. (Econ.)
Lond. Asst. Lectr

Spanish

Rees, J. W., M.A. Ox., B.A. Wales
Reader

Meana, L., Lic. en Let. Madrid
Asst. Lectr.

Murray, Florence M. M., M.A.
Edin. Asst. Lectr.

Brooks, J. L., B.A. Dub.
Asst. Lectr

Raventos, Margaret H., M.A.
Edin. Asst. Lectr

Technology, v. *infra*

Theology, v. *infra*

Zoology

Cannon, H. G., M.A., Sc.D. Camb.,
D.Sc. Lond., M.Sc., F.R.S.

Beyer Prof. and Dir. of
Lab.

Dennell, R., D.Sc. Leeds, M.Sc.
(Exper. Zool.) Reader

Brown, F. J., M.Sc. Birm.
Sr. Lectr. and Asst. Dir.
of Lab.

Willis, A. G., M.Sc. Wales Lectr

Butler, P. M., B.A., Ph.D. Camb.
B.Sc. Lond. Lectr

Lecturers

- Wilkinson, J. F., M.Sc., M.D.,
Ph.D., F.R.C.P., F.R.I.C.
(Syst. Med.).
Cowan, J., M.B., Ch.B. (Physio-
Therap.).
Kellgren, J. H., M.B., B.S. Lond.,
F.R.C.S.

Clin. Director of Research
Centre and Lectr. in
Rheumatic Disease.

- Ferguson, F. R., M.D., D.P.H.,
F.R.C.P.

- Holmes, A. H., M.D., F.R.C.P.
Kletts, N., M.B., Ch.B., F.R.C.P.
Brockbank, W., M.A., M.D. Camb.,
F.R.C.P.

- Black, D. A. K., B.Sc., M.D. St.
And.

- Don, C. S. D., M.D. Aberd.,
F.R.C.P.

- Morgan Jones, A., M.Sc., M.B.,
Ch.B. (Cardiology)

Lectr. and Dep. Director
of Cardiol. Dept.

- Israëls, M. C. G., M.Sc., M.D.
(Hæmatology)

Lectr. and Asst. Director
of Hæmatol. Dept.

Hon. Clinical Lecturers

- Ellis, R., M.D., F.R.C.P.
Burbury, Winifred M., M.A.
Camb., M.B., B.S., D.P.M.
Lond.

- Roscoe, Margaret H., B.Sc., Ph.D.
Lond., M.B., Ch.B.

Res. Asst.

Mental Diseases

- Talbot, G., B.Sc., M.B., Ch.B.
Lectr.

- Crowe, P. M., M.B., Ch.B., D.P.M.
Eng. Lectr.

- Rose, D. J. Sp. Lectr.

- Young, R. M., M.B., Ch.B., Dip.
Psych. Edin. Asst. Lectr.

Neurology

- Ferguson, F. R., M.D., D.P.H.,
F.R.C.P. Reader.

- Graveson, G. S., M.A., M.D. Camb.
(Med. Neurol.) Lectr.

Neurology, Experimental

- Stopford, Sir John, Sc.D. Dub.,
D.Sc. Leeds, M.D., F.R.C.P.,
F.R.S. Prof.

Obstetrics and Gynæcology

- Dougal, D., M.C., M.D.,
F.R.C.O.G.

Prof. and Director.

- Russell, C. S., M.A., M.B., Ch.B.
Edin., M.A. Ox., F.R.C.S.Ed.

Asst. Director.

- Bailey, K. V., M.C., M.D.,
F.R.C.O.G. Lectr.

- Hunter, J. W. A., M.D. Edin.,
F.R.C.O.G. Lectr.

- Gerrard, E. A., M.D., F.R.C.O.G.
Lectr.

- Newton, R., M.D. Lectr.

- Langley, F. A., M.Sc., M.B., Ch.B.
(Gynæcol. Pathol.) Lectr.

- Hain, Annie M., M.A., Ph.D.,
D.Sc. Edin. (Gynæcol. Endo-
crinology) Lectr.

- Rickards, C. E. B., M.B., Ch.B.
Asst. Lectr.

- Racker, D. C., M.B., Ch.B.,
F.R.C.S.Ed., F.R.C.O.G.

Asst. Lectr.

Occupational Health

- Lane, R. E., M.B., B.S. Lond.,
F.R.C.P. Nuffield Prof.

Lecturers

- King, F. H., M.A., M.D. Camb.
Goldblatt, M. W., B.Sc., M.D.,
B.A.O.

- Bedford, T., D.Sc., Ph.D. Lond.
Davis, S. B., M.A., B.M., B.Ch.
Ox.

- Peters, Alice D. K., B.A., B.M.,
B.Ch. Ox.

- Schilling, R. S. F., M.D., D.P.H.
Lond.

- Barnes, Mary M., B.A. (Admin.)
Asst. Lectr.

- Wyatt, S., D.Sc., M.Ed.
Asst. Lectr.

Ophthalmology

- Duthie, O. M., M.D. Reader.
 Stanworth, A., B.Sc., M.B., Ch.B. Lectr.
 Sheff.

Otolaryngology

- Lambert, V. F., M.D., Ch.M., F.R.C.S.Ed. Prof.
 Wrigley, F. G., M.D. (Dis. of Throat and Nose) Lectr.
 Young, N. A. J., M.B., Ch.B., F.R.C.S.Ed. (Dis. of Ear, Throat and Nose) Lectr.

Pathology and Path. Anat., v. also Dermatol. and Surgical Path.

- Baker, S. L., Ph.D., D.P.H. Lond., M.Sc. Procter Prof.
 Susman, W., B.A., M.D., C.M. Qu. (Morbid Anat. and Histol.) Lectr.
 Whitehead, R., D.Sc., M.D. Lectr.
 Varley, H., M.Sc. (Chem. Path.) Lectr.
 Davson, J., M.B., B.S. Lond. Lectr.
 Pollak, E., M.D. Vienna (Neuro-Pathol.) Lectr.
 Langley, F. A., M.Sc., M.B., Ch.B. (Gynæcol. Pathol.) Lectr.
 Wainwright, J., B.Sc., M.B., Ch.B. Sheff. Lectr.
 Ball, J., B.Sc., M.B., Ch.B. Asst. Lectr.
 Heppleston, J. D., M.B., Ch.B. Demr.
 Moss, D. G., M.Sc. (Chem. Pathol.) Demr.

Pharmacology, Mat. Med., Therapeutics and Pharmacy

- Macdonald, A. D., M.A., M.D. Edin., M.Sc. (Pharmacol.) Leech Prof.
 Brindle, H., B.Sc. Lond., F.R.I.C. (Pharmacy) Prof.
 Bullock, K., M.Sc., Ph.D., F.R.I.C. (Pharmacy) Sr. Lectr.
 Roberts, Ivy, M.Sc. (Pharmacy) Lectr.

Melville, C., B. Pharm. Lond. (Pharmacy) Lectr.

Bedford, T. H. B., M.Sc., M.B., Ch.B. Leeds, D.Sc. (Pharmacol.) Lectr.

Lightbown, J. W., M.Sc.

(Pharmacy) Asst. Lectr.
 Rigby, G. J., B.Sc. Lond. (Pharmacy) Asst. Lectr.

Demonstrators

Rawlins, E. A.
 Carless, J. E., B.Pharm. Lond.

Preventive Medicine

Topping, A., T.D., M.A., M.D., D.P.H. Aberd., F.R.C.P. Lond.
 Prof. and Director of Dept.

Lecturers

Walker, E. H., M.B., Ch.B., D.P.H. (Pub. Health Admin. and Sch. Hygiene).
 Hall, F., C.B.E., M.D., D.P.H. (Pub. Health Admin.).
 Brown, C. Metcalfe, M.D. Glas., D.P.H., F.R.San.I. (Prev. Med.).
 Marshall, F. N., B.Sc., M.D., D.P.H. (Prev. Med.).
 Johnson, A. (v. also *Archit.*) (San. Engin.).
 Liddle, D. C., M.B., Ch.B. Glas. (Infect. Dis.) Clin. Lectr.

Radiology

Gray, E. D., M.A., M.D. Aberd., D.M.R.E. Camb., F.F.R. Lectr.
 Reid, R. G., M.B., Ch.B., D.M.R.E. Liv., F.F.R. Asst. Lectr.
 Topping, W. McL. E., M.B., B.Ch., B.A.O. Belf., D.M.R.E. Camb. Asst. Lectr.

Radiotherapy

Paterson, J. R. K., M.C., M.D. Edin., D.M.R.E. Camb., F.R.C.S.Ed., F.F.R. Hon. Clin. Lectr.

Tod, Margaret C., M.B., Ch.B.
Edin., F.R.C.S.Ed., F.F.R.

Hon. Clin. Lectr.

Boden, G. W., B.Sc. Lond.,
D.M.R. Asst. Lectr.

Tutors

Ap Thomas, Muriel I. R., D.M.R.
Edin., M.B., Ch.B.

Easson, E. C., M.B., Ch B. Glas.

Gibson, J. M. W., B.Sc., M.B.,
Ch.B. Glas.

Millen, J. Ll. E., M.D. Belf.

Sister-Tutors Course

Acton-Smith, Joan Sp. Lectr.

Selmes, Winifred, M.L. Sp. Lectr.

..... Sp. Lectr.

Surgery

Boyd, A. M., M.B., B.S. Lond.,
F.R.C.S.

Prof. and Dir. of Dept.

Jefferson, G., C.B.E., M.S. Lond.,
M.Sc., F.R.C.P., F.R.C.S.,
F.R.F.P.S., F.R.S. (Neuro-
log. S.)

Prof. and Dir. of Neurol.
Labs.

Platt, Sir Harry, M.S. Lond., M.D.,
F.R.C.S., F.A.C.S. (Ortho-
pæd. S.) Prof.

McEvedy, P. G., M.B., B.S. Lond.,
F.R.C.S. Hon. Clin. Lectr.

Lecturers

Southam, A. H., M.A., M.D.,
M.Ch. Ox., F.R.C.S.

Sutherland, D. McK., M.D.,
F.R.C.S.

Graham-Bryce, A., M.D., D.P.H.,
F.R.C.S.

Newell, R. L., M.D., F.R.C.S.

Holt, R. L., O.B.E., M.D., F.R.C.S.

Loewenthal, J., M.B., B.S. Sydney,
M.S. Melb., F.R.C.S.

Simmons, H. T., B.Sc., M.D.,
Ch.M., F.R.C.S.

Johnson, R. T., M.A., M.B., B.Ch.
Camb., F.R.C.S. (Neuro-Surg.).

Pollak, E. (also *Pathol.*) (Neuro-
Pathol.).

Wilson, D. S. P., M.A., M.B.,
M.Ch., B.A.O. Dub., F.R.C.S.
Eng., F.R.C.S.I. (Urological
S.).

Brentnall, E. S., M.B., Ch.B.,
F.R.C.S.Ed. (Orthopæd. S.)

Hon. Clin. Lectr.

Charnley, J., B.Sc., M.B., Ch.B.,
F.R.C.S. (Orthopæd. S.).

Griffiths, D. Ll. (also *Surg. Pathol.*)
(Orthopæd. S.).

Wright, J. K., B.Sc., M.B., Ch.B.
(Orthopæd. S.) Surg. Tutor.

Ratchliffe, A. H., B.A., B.Sc. Ox.
Res. Asst.

Surgery, Regional

Holt, R. L. (also *Surg.*) Lectr.

Surgical Pathology

Newell, R. L. (also *Surg.*) Lectr.

Griffiths, D. Ll., B.Sc., M.B.,
Ch.B., F.R.C.S. Lectr.

Tuberculosis

Sutherland, D. P., M.B., B.S.
Lond. Hon. Clin. Lectr.

Vaccination

Chisholm, Catherine, C.B.E., B.A.,
M.D. Lectr.

Venereal Diseases

Clin. Instructors

Reid, W. J. S., M.A., B.Sc., M.D.
Aberd.

Whitehead, G., M.B., Ch.B.

Byrd, Eliz. C., M.Sc., M.B., Ch.B.

Mumford, P. B., M.D., F.R.C.P.

Dentistry

Wilkinson, F. C., M.D., B.D.S.
Liv., D.D.Sc. Melb., M.Sc.,

F.D.S.R.C.S. (D. Surg.)

Director of Dental Hosp.
and Prof.

Matthews, E., M.Sc., Ph.D. Lond.,
M.Sc., D.D.S. (Prosthetic D.)

Director, Prosthetics Dept.
and Prof.

Holt, J. K., D.D.S. N.-W. Chicago,
M.Sc., L.D.S. (Op. Dent.)
Reader.
Houghton, E., M.Sc. (D. Surg.)
Sr. Clin. Lectr.

Lecturers

Houghton, E., M.Sc. (Op. D.
Surg.).
Holt, R. L., O.B.E., M.D., F.R.C.S
(Surg.).
Thompson, Prof. F. C., B.Sc.
Lond., D.Met. Sheff., M.Sc.
(D. Metall.).
Macdonald, Prof. A. D., M.A.,
M.D. Edin., M.Sc. (D. Mat.
Med.).
Maitland, Prof. H. B., M.D. Tor.,
M.Sc. (D. Bact.).
Baker, Prof. S. L., Ph.D., D.P.H.
Lond., M.Sc. (D. Path.).
Atkinson, H. F., M.B.E., M.Sc.,
L.D.S. (Prosthetic Lab. Tech-
nique).
Heaton, G., B.D.S., L.D.S. (Chil-
dren's D.).
Broadbent, B. T., L.D.S. (Ortho-
dontics).
Dinsdale, T., M.B., Ch B., D.A.
(Anæsthesia).
Luxton, R. W., B.Sc., M.D.
(Med.).
Monks, F. T., L.D.S. (D. Anat. and
Physiol. and D. Histol.).

Clin Lecturers

Bennison, H., (D. Surg.).
Benson, J. K. H., B.D.S., L.D.S.
(D. Surg.).
Cooke, C., L.D.S. (D. Surg.).
Lewis, P. R., B.D.S., L.D.S. (D.
Surg.).
Parsonage, F. H. (D. Surg.).
Monks, F. T., L.D.S. (D. Surg.).
Ashcroft, G., (Oral Surg.).
Derbyshire, K., L.D.S. (D.
Radiol.).

Moule, A. W., B.D.S., L.D.S. (Oral
Surg.) Sp. Lectr.
Asst. Lecturers
Saunbury, P., L.D.S. (Clin. Pros-
thetics).
Rowbotham, T. C., B.D.S., L.D.S.
(Op. Technique).
Hadlow, C. I., D.D.S. N.-W. Chicago
(Op. Technique).
Harrington, J., B.D.S., L.D.S.
(Parodontia).
Johnson, W., B.Sc. (Dent
Materials).
Jackson, D., B.D.S., L.D.S. (Chil-
dren's D.).

Demonstrators

Hartley, D. T., L.D.S. (Ortho-
dontics).
Bromley, Margaret C., B.D.S.,
L.D.S. (Orthodontics).
Capstick, H. V., L.D.S. (Ortho-
dontics).
Cropper, Olga B., L.D.S. (Clin.
Prosth.).
Rosenstiel, E., L.D.S. (Op. Tech-
nique).
Clough, Barbara, B.D.S., L.D.S.
(Parodontia).
Atkinson, Estelle P. M., L.D.S.
(Prosth. Lab. Technique).
Millar, C. H. I., L.D.S. (Prev.
Dentistry).

The Dental Hospital, which now
forms part of the Univ., has in
addition the following staff :

24 Consulting and Honorary Sur-
geons, 6 Anæsthetists, 1 Den-
tal Registrar, 6 House Sur-
geons, 3 Instructors.

Theology

Biblical Criticism and Exegesis

Manson, Rev. T. W., M.A. Camb.
and Manc., D.Litt., D.D.
Glas., D.D. Durh., D.Theol.
Strasbourg, F.B.A.

Rylands Prof.

Farr, Rev. G., M.A., B.D. (Old Test.) Lectr.
 Robinson, Rev. W. G., M.A. Ox., B.A. Liv., B.D. (New Test.) Lectr.
 Meecham, Rev. H. G., B.A. Lond., M.A., D.D., Ph.D. (New Test.) Lectr.

Christian Ethics

Smith, Rev. F. H., D.D. Lond. Prof.

Comparative Religion and Philosophy of Religion

Smith, Rev. F. H., D.D. Lond. Prof.

Ecclesiastical History

Dugmore, Rev. C. W., M.A., B.D. Ox. Bishop Fraser Sr. Lectr.

Hellenistic Greek

Zuntz, G., Dr. phil. Marburg. Sr. Lectr.

History of Doctrine

Townsend, Rev. H., M.A. R.U.I., D.D. Lond. Lectr.

Hassall, Rev. H., M.C., B.A. Lectr.

Holt, Rev. R. V., M.A., B.Litt. Ox. Lectr.

Phillips, Rev. G., M.A. Ox., B.D. Lectr.

Psychology of Religion

Lee, A., M.A. Camb. Lectr.

Semitic Languages

Rowley, Rev. H. H., M.A. Brist., B.Litt. Ox., D.D. Lond. and Durh., F.B.A. Prof.

Fish, T., Ph.D. Camb. (Assyriology) Reader.

Allam, M. M., Ph.D. (Arabic) Sr. Lectr.

Weis, P. R., M.A., L. en Phil. et Hist. Or. Louvain (Post-Biblical Jewish Studies) Laski Lectr.

Wallenstein, M., M.A., Ph.D. (Med. and Mod. Hebrew) Lectr.

Gray, Rev. J., M.A., B.D. Edin Asst. Lectr.

Technology

Myers, J. E., O.B.E., D.Sc. Principal of the College of Technology and Dean of the Faculty.

Building Construction

McKay, W. B., M.Sc. Tech. Hd. of Dept. and Dir. of Labs.

Wilson, A. V., M.Sc. Tech. Sr. Lectr.

McDonald, J. R. A. Lectr.

Dilworth, R. Lectr.

Bowles, R. E., B.Sc. Tech. Lectr.

Garrett, C. H., B.Sc. Tech. Lectr.

Stirrup, N. Lectr.

Merchant, W., M.A. Ox., S.M., Mass. Inst. Tech. (Structl. Eng.) Lectr.

Thomas, N. (Structl. Eng.) Lectr.

McBeath, J. G., F.R.I.B.A. Sp. Lectr.

Pursglove, A. Sp. Lectr.

Clayton, T. H. Asst. Lectr.

Barnes, V. C. Asst. Lectr.

Robertson, J. D., B.Sc. St. And. (Structl. Eng.) Asst. Lectr.

Chemistry, Applied

Kenner, J., D.Sc. Lond., Ph.D. Heid., F.R.S. (Tech. C.) Prof. and Dir. of Labs.

Walker, T. K., D.Sc., Ph.D., F.R.I.C. Sr. Lectr.

Howell, O. R., B.Sc. Wales, Ph.D. Camb., Wales, and Zür., D.Sc., F.R.I.C. Sr. Lectr.

Lecturers

McCulloch, A., M.Sc. Tech. (Fuels). Handford, C., M.Met. Shef. (Metall. and Assaying).

Neale, S. M., M.Sc. Liv., D.Sc. (Cellulose C.).

Baddeley, G., M.Sc., Ph.D. Sheff.
(Org. C.).

Storror, J. A., M.Sc.Tech., Ph.D.
(Chem. Eng.).

Burawoy, A., D.Phil. Leipzig (Col.
Matters).

Ward, A. F. H., B.Sc. Lond.,
M.A., Ph.D. Camb., F.R.I.C.
(Phys. Chem.).

Cardwell, D., M.Sc., B.Com.,
F.R.I.C. Sp. Lectr.

Asst. Lecturers

Craven, May B., M.Sc. Tech.

Hancock, A., M.Sc.Tech., F.R.I.C.

Hockenhull, D. J. D., B.A. Camb.

Tordai, Ladislav, M.Sc.Tech., Ph.D.

Garwood, R. F., B.Sc., Ph.D.
Lond. (Org. C.).

Willson, B. D., M.Sc.Tech. (Chem.
Eng.)

Demonstrators

Montgomery, F. H., M.Sc. Tech.

Holt, G., M.Sc.Tech.

Chemistry, Textile

Scholefield, F., B.Sc. Lond. and

Leeds, M.Sc., F.R.I.C., F.T.I.
(Bleaching, Dyeing, and
Printing)

Hd. of Dept. and Dir. of
Labs.

Bailey, F. W. (Papermaking)

Lectr.

Preston, J. M., B.Sc. Liv. Lectr.

Turner, H. A., M.Sc. Sheff. Lectr.

..... Asst. Lectr.

Engineering, Electrical

Hollingworth, J., M.A. Camb.,
D.Sc. Lond., M.Sc. Tech.

Prof. and Dir. of Labs.

Bradshaw, E., Ph.D. Glas.,
M.Sc.Tech. (High Voltage
Eng.) Lectr.

Glynne, A., M.A. Camb. Lectr.

Asst. Lecturers

Barratt, N. M., M.Sc.Tech.

Fremlett, L., M.Sc.Tech.

Hancock, N. N., B.Sc.(Eng.),
B.Sc. Lond.

Engineering, Mechanical

Baker, H. W., D.Sc.

Prof. and Dir. of Labs.

Lecturers

Bevan, T., M.Sc.Tech.

Lamble, J. H., M.Eng., Ph.D. Liv.

Brierley, J. C., M.Sc.Tech.

Cantle, G. S., B.Sc. Durh., M.Sc.
Tech., Ph.D.

Johnson, E., B.Sc. Edin.

Asst. Lecturers

Hall, G. W., B.Sc. (Eng.) Lond.

Gill, S. S., M.Sc.Tech.

Bisacre, G. H., B.A. Camb.

Furber, B. N., B.Sc.Tech.

Hatton, A. P., B.Sc.Tech.

Engineering, Municipal

Cornish, R. J., M.Sc., F.R.San.I.

Hd. of Dept. and Dir. of
Labs.

Johnson, A., M.Sc. Durh., F.R.S.I.,

F.I.S.E. Lectr.

Morgan, E. L., B.Sc. Wales Lectr.

Armstrong, S., B.Sc.Tech.

Asst. Lectr.

Industrial Administration

Roberts, A., M.Com., Ph.D.

Hd. of Dept.

Jenkins, G., M.Com. Lectr.

Ross, N. S., M.A., Ph.D. Durh.

Asst. Lectr.

Languages, Modern

Eaton, R. S., M.A., B.A. (Admin.)

Lectr.

Jackson, H. S., M.A. Asst. Lectr.

Buxton, C. R., B.A. Lond.

Asst. Lectr.

Mathematics

Bowman, F., M.A. Camb., M.Sc.
Tech. Hd. of Dept.

Hunter, W., M.A. Camb., B.Sc.

Lond. Sr. Lectr.

Tibbs, S. R., Ph.D. Brist., M.Sc.

Lectr.

Asst. Lecturers

Hawkes, J. H., M.Sc.

Howarth, A., M.Sc.

Fagg, S. V., B.Sc. Lond., D.I.C.

Physics

Lipson, H. S., D.Sc. Liv., M.A.
Camb., F.Inst.P.

Hd. of Dept. and Dir. of
Labs.

Walmsley, H. P., D.Sc., F.Inst.P.
Sr. Lectr.

Smare, D. L., B.Sc., M.Sc.Tech.,
Ph.D., F.Inst.P. Lectr.

Edmunds, I. G., M.Sc., Ph.D.
Wales Lectr.

Anderson, W., B.Sc. Glas.
Asst. Lectr.

Hargreaves, A., B.Sc., M.Sc.Tech.,
Ph.D. Asst. Lectr.

Fowweather, F., B.Sc.
Asst. Lectr.

Rogers, D., B.Sc., Ph.D. Lond.
Asst. Lectr.

Textile Industries

Morton, W. E., M.Sc.Tech., F.T.I.
Prof. and Dir. of Labs.

Hanton, W. A., M.Sc.Tech. (Weav-
ing and Textile Engin.)

Sr. Lectr.

Lecturers

Chirnside, J. (Textile Design).

Taylor, J. S., M.Sc.Tech. (Spin-
ning).

Essam, J. M., M.Sc.Tech., F.T.I.
(Weaving).

Asst. Lecturers

Riley, A., B.Sc., M.A. (Com.),
M.Sc.Tech. (Textile Engin.).

Walker, P. H., B.Sc.(Eng.) Lond.
(Textile Engin.).

Latham, A. M., M.Sc.Tech. (Weav-
ing).

Pargiter, C., B.Sc.Tech. (Weaving).

Extra-Mural Department

Director of Extra-Mural Studies—
R. D. Waller, M.B.E., M.A.

Deputy Director—T. Kelly, M.A.

Senior Staff Tutor—W. E. Styler,

M.A. Birm.

Staff Tutors—C. D. Legge, B.A.

Lond.; D. Garside, B.A.;

H. C. Sherwood, M.A. Birm.;

Barbara M. Moor, Mus.B.;

D. C. Jones, M.A. Wales;

H. A. Jones, M.A.;

I. W. Hughes, LL.B. Wales;

N. Hampson, M.A. Ox.

Tutor-Librarian—F. W. Chandler,
M.A. Lond.

ASSOCIATED COLLEGES

THE COLLEGE OF TECHNOLOGY became connected with the Univ. of Manchester in 1905 in the Fac. of Techn., the greater part of the work of which is conducted in the College, whose Principal is Dean. The work of the College includes advanced study and research in the subjects specified above and hydraulic experimental work, motor-car engineering, and india-rubber technology. From Oct. 1934 recognized for B.Sc. (Eng.) degree for external students, London Univ.

Recognized for External Lectures in Theology: BAPTIST COLLEGE, HARTLEY VICTORIA METHODIST COLLEGE, MORAVIAN COLLEGE, Fairfield, and UNITARIAN COLLEGE at Manchester; LANCASHIRE INDEPENDENT COLLEGE, Whalley Range.

Recognized for instruction in Maths., Physics, Chem., and Biol. up to Interm. standard for B.Sc. and B.Sc. Tech.: the HARRIS INSTITUTE, Preston.

For third year of B.Sc. Tech. course in Metal Mining (at present discontinued): the CAMBORNE SCHOOL OF METALLIFEROUS MINING.

GENERAL INFORMATION

The Victoria University of Manchester was reconstituted by Royal Charter in 1903 and Owens Coll. incorporated with it by Act of Parl. in 1904. For early history, see *Yearbook* for 1929.

Most of the buildings erected from time to time during the past 50 years are situated in the city. The Departments of Bacteriology, Preventive Medicine and Pathology are $\frac{1}{2}$ mile distant, adjoining principal hospitals. The athletic ground (30 acres) is at Fallowfield, about $1\frac{1}{2}$ miles distant, while a further 51 acres were acquired for athletic purposes at Wythenshawe, about 3 miles distant.

LIBRARIES. The main library (over 330,000 vols.) is housed in two divisions. The books concerning the Arts and allied faculties are placed in the new building (completed in 1936). The books on scientific subjects remain in the old (Christie) building, which also contains the Library of the Manchester Museum. The library includes the private collections of Profs. Freeman, Stanley Jevons, Alexander and Gordon and Dr. Christie. Scientific periodicals are taken in by the Univ. in co-operation with the Manchester Literary and Philosophical Society, so that between them all the most important are available for both. The Medical Society's and the Radford Library (88,000 vols.) are housed in the Med School, and available for students. The Library for Deaf Education (over 8000 vols.) is available to all interested in the educn. of the deaf. There is also in the city of Manchester the John Rylands (450,000 vols.), which includes the Althorp Library and the Crawford collection of MSS. It contains one of the most important collections of early printed books in existence. The ancient Chetham Library (100,000 vols.) has valuable mediæval MSS. and printed books of 17th and 18th centuries and a collection of vols. dealing with local history. The Municipal Reference Library (328,000 vols.) is valuable for more recent books and periodicals, and in connexion with it there is a Technical and Science Library (45,000 vols.). The College of Technology Library (30,000 vols.) includes the abridgements of specifications of patents from 1855 to date, and is devoted to applied science and technology.

LABORATORIES, ETC. Ample equipment for advanced study and research in all departments. Experimental Grounds for Hortic. in Manchester and outstation in Cheshire. The *Manchester Museum* (Keeper—R. U. Sayce, M.A.), forming part of the Univ. buildings, and containing among other special depts. the Flinders Petrie Egyptol. Collection, is utilized for Univ. teaching in Zool., Bot., and Geol.; it is also used for systematic instruction of Elem. school children. Available for clinical instruction are 4 general Hospitals, 1 Dental and 9 other special hospls., including the Christie Hospital (Cancer), and Holt Radium Institute.

FACULTIES, DEANS, AND TUTORS. Arts [including School of Architecture], Dr. M. Tyson (Palæog.), Tutor, J. Marks (French); Science, Prof. P. M. S. Blackett (Physics), Tutor, G. N. Burkhardt (Chem.); Law, Prof. R. A. Eastwood, Tutor, H. Street (Art. Clerks); Medicine [including Departments of Dental Science, Pharmaceutics, Bacteriology and Preventive Medicine], Prof. H. S. Raper (Chem. Physiol.), Tutor, E. L. Patterson (Anat.); Music, Prof. W. Schlapp; Economic and Social Studies, Prof. J. Jewkes (Pol. Econ.), Tutor, Miss F. Collier (Social Admin.); Theology, Prof. T. W. Manson (Bibl. Crit. and Exeg.); Technology (provided by the Municipal College of Technology), Principal J. E. Myers (Technol.); Education [training for work in Secondary, Elementary, and Day Continuation Schools, in Schools for the Deaf, and with Young Children], Prof. R. A. C. Oliver.

WOMEN STUDENTS. Adviser—Phyllis E. Crump, M.A.

ADMISSION. See Appendix I.

DEGREE COURSES. 3 yrs. (graduates of other approved Univs., 2 yrs.)—B.A., B.A. (Theol.), B.Sc., LL.B., Mus.B., B.A. (Econ.), B.A. (Com.), B.A.

(Admin.), B.D. (after Intern. courses in Arts), B.Sc. Tech.; 4 yrs.—B.A. (Hons. in Mod. Langs.—two langs.); 5 yrs.—B.A. (Hons. in Archit.), B.D.S.; 6 yrs.—M.B., Ch.B. The B.A. (Com.) and B.A. (Admin.) courses can be completed by attendance on evening lectures during not less than 4 sessions.

The B.A. degree may be awarded with Honours in Combined Subjects.

The B.Sc. degree may be awarded with Honours in General Science (v. p. 8).

Hons. students of mod. foreign langs. may count attendance on approved courses for a term at a foreign Univ. as equivalent to attendance at Manc.

Minimum attendance in the Univ. for graduation—3 yrs., for Bachelorships in 2 Faculties—5 yrs.

HIGHER DEGREES. Open to Bachelors of 1 yr. standing—M.A., M.Sc. (2 yrs. if graduates of other Faculties), Ch.M., M.D., M.D.S., M.A. (Econ.), M.A. (Com.), M.A. (Admin.), M.Sc. Tech.; 2 yrs.—LL.M., M.Ed., D.D.S.; 4 yrs.—D.Sc., LL.D., Mus.D., D.D. Open to Masters or Doctors of Philosophy of the Univ. only: Litt.D.

Open to graduates of other approved Univs. through research in Manc. during 2 (non-graduates 3) yrs.—M.A., M.Sc., LL.M., M.A. (Econ.), M.A. (Com.), M.A. (Admin.), M.Sc. Tech., M.Ed. Graduates of other approved Univs. of 4 yrs. (D.D. 6 yrs.) standing who have obtained the degree of Master or one substantially equivalent thereto and spent 2 yrs. in study or research in Manc. may qualify for the D.Sc., LL.D., D.D.

The Ph.D. differs from the Litt.D. and D.Sc. in requiring a definite course of study, and is of a lower standard, though higher than the M.A., M.Sc., and M.Sc. Tech. (v. p. 15).

DIPLOMAS. Bacteriology, Chem. Engineering, Geography, Teachers'—1 yr. postgraduate; Social Study, 2 yrs.—approved graduates and holders of Cert. in Pub. admin., 1 yr.; Psychological Medicine and D.P.H., 1 yr. for registered practitioners; L.D.S., 4 yrs.; Architecture, 5 yrs.; Town and Country Planning, 1 yr. after Certif. status.

CERTIFICATES. Mining, 3 yrs.; Higher Commercial, 2 yrs. (grads. 1 yr.); Public Administration, 2 yrs.; Social Administration, 2 yrs.; Psychiatric Social Workers, 1 yr.; Sister-Tutors, 1 yr.; Theol., 3 yrs.; Biblical Knowledge, 1 yr.; Tech. (Assoc. Coll. Tech.), 3 yrs.; Tech. (Distinction), 1 yr. after Cert. in Tech.; Indust. Admin., 1 yr. (grads. or holders of Cert. in Tech.); Certif. for Teachers of the Deaf, 1 yr. (grads. and certificated teachers); Town and Country Planning, 2 yrs.; Hortic., 2 yrs. (part-time). Candidates for certificates are required, before entering on the course, to pass or obtain exemption from an entrance examn.

Certif. in Mining and the B.Sc.Tech. in Mining are accepted by Govt. in lieu of 2 out of 5 yrs. practical experience for Mine Manager's Certif.

SCHOLARSHIPS, ETC., FOR GRADUATES. A considerable number are offered every year by the Univ., most of them reserved for its own graduates, but some—in Anatomy, £150; Econ., £100 and £120; Engin., £200; Bot. or Zool., £200; Diseases of Children, £100; History, £50; Local Govt., £50; Internat. Relations, £100; Maths., £70; Physics, Chemistry and allied subjects, £600; Engineering, Inorg. Chem. and allied subjects, £600; Physics £200; Physiol., £90; Cancer Research, £300; Medicine (cause, treatment and cure of Leukaemia), £400; Prev. Med., £300; Child Health (problems of nutrition), £900; Mun. Engin. or Bact. and Prev. Med., £150; Psychological Med., £150—are open to foreign students; others—in Cotton Industry, £100; History, £50; Agric. Zool., £120—are open to British subjects who have graduated at other Univs. Honorary Research Fellowships and Research

Studentships, entitling the holders to the use of facilities for research either free or at greatly reduced fees, are also awarded.

FEES. Tuition, including Students' Union and Athletic Union fees: for B.A. course, 30½ gs. p.a. (Hons. in Archit., first 3 yrs. 35 gs. p.a., 4th and 5th yrs. 22½ gs. p.a.); B.Sc., 30½ to 45½ gs. p.a.; M.B., Ch.B. (5 yrs.), 159 gs., *plus* Hospl. fees, 89 gs.; LL.B. (3 yrs.), 40 gs.; B.D., about 15 gs. (*plus* Registration fee of 3 gs.) p.a.; B.A. (Com.), B.A. (Admin.), 20 gs. to 30½ gs. p.a.; Mus.B. about £69 p.a., according to options selected; B.D.S. (5 yrs.), 100 gs., *plus* Hospl. fees, 170 gs.; L.D.S. (4 yrs.), 86 gs., *plus* Hospl. fees, 155 gs.; B.Sc. Tech., about £40-£60 p.a.; Teacher's Dipl., £42. Examn. fees: Med., 32 gs., others (Interm. and Final) for first degrees about 6 gs. (B.Sc., 4 to 5 gs.) Graduation fees, 8gs. (Doctorate, 5 gs.).

Research fees, 7 to 10 gs. p.a. in Arts, Commerce and Law; Educn., 7 gs., higher fees for science students.

HOSTELS. For men: Hulme Hall (Warden: Rev. A. H. White, M.A.), 9 gs.; Dalton Hall (Principal: G. A. Sutherland, M.A.), £120 (for 32 weeks) St. Anselm Hall (Warden: Rev. G. J. Inglis, M.A.), £96 (for 30 weeks); Lancashire Independent College (Principal: Rev. W. G. Robinson, M.A., B.D.), £90 (full Univ. terms); Unitarian College (Principal: Rev. R. V. Holt, M.A., B.Litt.), £100 (full Univ. terms). For women: Ashburne Hall (Warden: Miss E. M. Lind, B.Sc., Ph.D.), £85; Langdale Hall (Warden: Miss M. V. Walmsley, B.Sc.), chiefly for students in training, £85; Ellis Llwyd Jones Hall, special hostel for students in training as teachers of the deaf (Warden: Mrs. I. M. Horsburgh, B.A.), £85; St. Gabriel's Hall (Warden: Sr. Maria Benigna, C.P., B.A.), for Rom. Catholic women students, £65 to £75; Lister House (Warden: A. H. Holmes, M.D., F.R.C.P.), a Hall for Medical Students both men and women, residence compulsory during a period of 3 months in their Fifth Year, at a charge of £33 for the period.

Donner House provides accommodation for 15 members of staff and senior research students, at an inclusive charge of from £3: 2: 6 to £3: 7: 6 per week.

THE UNIVERSITY UNION (men) and the WOMEN'S UNION occupy buildings on main University site, and provide social facilities for students. They adjoin the REFECTORY, the whole block having been extended and remodelled in 1937, when a STAFF HOUSE was also added. A further extension of the Refectory was opened in 1947.

CONVOCATION consists of all grads. since 1914 (earlier grads. admitted on payment of fee of 5s.). The duties and privileges of Convocn. include the election of the Chancellor of the Univ. District Groups (Manchester, London, Leeds, Sheffield, Lancaster) of Convocn. provide social and other facilities for graduates.

ADULT EDUCATION. The Extra-mural activities are directed by the Joint Committee for Adult Educn. which provides facilities for Adult Educn. at the Univ. and at other Centres. There is a sub-committee specially concerned with the organization of Tutorial Classes. Public Lectures, Univ. Extension Courses Tutorial Classes for Workpeople, and other Classes for adult students are arranged, and Tutors and Lecturers are appointed.

APPOINTMENTS BOARD. Secretaries, Olive B. Schill, M.A. Camb., and K. A. Bayley, M.B.E., B.A. Ox., The University, Manchester, 13.

PUBLICATIONS. (1) Periodical: (a) *Calendar* (Sept.), 5s. and 3s.; *Examination Papers*, 9d.-1s. 3d. a set, by Faculties; *The Journal of the University* (Annual); *Manchester School*, March and Oct. (Economic and Commercial), 10s. p.a.; Departmental Prospectuses (April-May). (b) Also

published by University Press : *Journal of Manc. Egyptian and Oriental Soc.* ; Pubns. of Chetham Society, Manchester ; Pubns. of Brit. Soc. of Franciscan Studies ; Bulletin of John Rylands Library. (c) Students' Pubns. : *The Serpent* (Magazine), *Medical School Gazette*. (2) *The Victoria University of Manchester* ; a short historical and descriptive account, The Univ. Press, 1930.

Histories : "The Owens College: its Foundation and Growth, and Connexion with the Victoria Univ.," by Joseph Thompson. Manchester, J. E. Cornish, 1886. "The Owens College," by P. J. Hartog. Manchester, J. E. Cornish, 1900. "Chapters in the History of Owens College and of Manchester University, 1851-1914," by E. Fiddes. Manchester, Univ. Press, 1937.

THE YEAR 1946-47

BENEFACTIONS. Bequests : £1730 from John Phythian ; £1000 from Dr. A. G. Little to assist in publicn. of historical works by Univ. Press ; £1000 from Edwin Royce for general purposes ; £800 from Rev. J. W. F. Middlehurst ; £500 from Mrs. Emuly Lord for alleviation of deafness. Messrs Cow and Gate, Ltd., have given a sum of £1000 p.a. for seven years to provide a Fellowship in Child Health. The Rockefeller Foundation have made grants of more than £17,000 payable during the period 1946-51 in support of the Economics Research Section. Special grants of over £12,000 from D.S.I.R. to Physics Dept. towards cost of Cosmic Ray research. Gift by Sir Philip Hartog of painting by Helena Darmesteter, of Sir Michael Sadler, Prof. of Hist. and Admin. of Educn., 1903-11.

NEW BUILDINGS. Adaptation of former High School buildings have provided accommodation for faculties of Law, Economic and Social Studies, Music, and Education, and for certain depts. of Faculty of Arts. New laboratories erected for Chemistry Dept. Extension of premises for Dept. of Education of the Deaf. Additional dining-hall for University Refectory. Experimental station for Physics Dept. (Radar, etc.) established at Lower Withington in Cheshire. Fluid Motion Laboratory with wind tunnel established at Barton Airport.

NEW DEPARTMENTS AND POSTS. Appointments of full-time Dean of Medical School and of full-time Prof. of Surgery. Establishment of new Professorships of Mathematical Statistics, Child Health, Preventive Medicine, Otolaryngology, and Osteopathology. Regional Centre for Chronic Rheumatism established with Pathological and Clinical Directors.

OTHER DEVELOPMENTS. Establishment of University School of Education with a Delegacy for the Training of Teachers.

CHANGES IN REGULATIONS. Hons. School of Psychology and of Mathematics established in the Fac. of Arts as well as in Fac. of Science. New Hons. Sch. of Modern Hist. with Econs. and Politics. Part-time degree courses in Commerce or Administration to extend over minimum period of 4 (instead of 3) YTS.

EXTRA-MURAL WORK. 57 Tutorial classes, 83 Sessional classes and 10 shorter courses. 63 Univ. extension courses and 76 single lectures in Univ. and elsewhere. 39 lectures in Secondary Schools in Lancashire, Cheshire and Derbyshire. Over 200 students attended Summer School at Bangor in July and August. 3566 lectures arranged by Regional Committee for Educn. in H.M. Forces for units in the area. A number of courses of varying duration provided for services in Forces Residential College. Number of full-time staff-tutors increased to nine and tutor-librarian also appointed. Reorganization of

all extra-mural work under a single Joint Committee for Adult Education which includes repres. of L.E.A.'s and of W.E.A.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Delegation of four Professors from Univ. of Strasbourg visited Manchester in continuation of reciprocal association between the two Univs. Under scheme to assist overseas scholars to renew intellectual contacts visits of from one to two months' duration from Prof. Westendorp-Boerma (Amsterdam), Dr. K. Stokland (Trondheim), Prof. Bonhoffer (Leipzig), Prof. Devaux (Brussels). Dr. Helen Keller (U.S.A.) visited Dept. for Educn. of Deaf. Glancy lecture delivered by Prof. M. Buber, and Adamson Lecture by Dr. C. M. Bowra. Annual Conference of Museums Assocn. held in Univ. in July.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Lane (Occupational Health) visited U.S.A. to study technical problems and teaching in Industrial Health, and Prof. Martland (Bacteriology) U.S.A. and Canada to study investigations in the field of viruses. Profs. Vinaver (French), Newman (Pure Maths.), Goldstein (App. Maths.), to U.S.A. R. D. Waller (Director of Extra-mural Studies) to Germany. Prof. Blackett (Physics) to U.S.A. and to Indian Science Congress, New Delhi. Prof. Reid (Romance Langs.) to 500th Anniversary Celebn. of Univ. of Bordeaux. H. Street (Law), A. Henderson (Econs.), A. Morgan Jones (App. Physiol.) to U.S.A. with Rockefeller and Commonwealth Fellowships.

RETIREMENTS. Prof. John Morley (Surgery). Mr. H. Pickstone (after 41 yrs.' service as Cashier).

RESIGNATIONS. Prof. E. L. Hirst (Chem.), on appt. to Chair of Organ. Chem. in Univ. of Edinburgh; Dr. G. H. Bolsover (Russian), on appt. as Director of Sch. of Slavonic and E. Europ. Studies in Univ. of London; Mr. Ralph Cocker (Parodontia), on appt. as Director of King's Coll. Hosp. Dental School, London; Dr. Lewis Janossy (Physics), on appt. as Senior Prof. of Phys. in Dublin Inst. of Advanced Studies; Dr. S. Tolansky (Physics), on appt. as Prof. of Physics in Royal Holloway Coll., London; Dr. L. C. Knights (English Lit.), on appt. as Prof. of Eng. Lit. in Univ. of Sheffield.

DEATHS. Rev. Dr. W. L. Wardle (formerly Reader in O.T. Biblical Crit.); Dr. C. P. Lepage (formerly Reader in Diseases of Children); Mr. Sydney Chaffers (formerly Bursar and member of staff for 52 yrs.).

HONORARY DEGREES. LL.D.—V. K. Wellington Koo; Rt. Hon. Hugh Dalton; Prof. Sir Walter N. Haworth; Sir Wm. Clare Lees, Bart. D.D.—Prof. Johannes Pedersen. D.Sc.—Prof. E. D. Adrian. M.A.—W. H. Hayward; M. N. Kenyon; John McCurdy; Sir Miles E. Mitchell; Gordon Phillips; Frank Pollard; H. Raby; R. Wynne Jones.

STUDENTS (including Fac. of Technology). Total: 4898; full-time: 4100; part-time: 798; the total includes 1326 women and 752 postgraduates.

DEGREES. B.D., 3; B.A., 192; M.A., 22; Litt.D., 1; LL.B., 8; LL.M., 2; B.Sc., 212; M.Sc., 34; M.B., Ch.B., 67; M.D., 7; B.D.S., 6; Mus.B., 4; B.A. (Econ.), 7; B.A. (Com.), 29; M.A. (Com.), 1; B.A. (Admin.), 50; M.A. (Admin.), 5; B.Sc. Tech., 107; M.Sc. Tech., 18; M.Ed., 2; Ph.D., 19.

UNIVERSITY OF OXFORD

Founded in the XIIth Century

CHANCELLOR—Right Hon. THE EARL OF HALIFAX, K.G., G.C.S.I., G.C.I.E., O.M., D.C.L., Hon. Fellow of All Souls.

HIGH STEWARD—Right Hon. VISCOUNT SANKEY OF MORETON, G.B.E., M.A., D.C.L., Hon. Fellow of Jesus.

VICE-CHANCELLOR—W. T. S. STALLYBRASS, D.C.L., Principal of B.N.C.

PROCTORS—F. M. H. MARKHAM, M.A. Hertf. ; E. G. COLLIEU, M.A., B.Litt. B.N.C.

REPRESENTATIVES IN PARLIAMENT—Sir A. P. HERBERT, M.A. ; Rt. Hon. Sir J. ARTHUR SALTER, G.B.E., K.C.B., M.A., D.C.L., LL.D., Com. Lég. d'H.

ASSESSOR OF THE CHANCELLOR'S COURT—C. H. M. WALDOCK, M.A., B.C.L. All S.

PUBLIC ORATOR—T. F. HIGHAM, M.A. Trin.

BODLEY'S LIBRARIAN—J. N. L. MYRES, M.A. Ch. Ch.

KEEPER OF THE ARCHIVES—W. A. PANTIN, M.A. Oriel.

REGISTRAR—D. VEALE, C.B.E., M.A. C.C.C.

SECRETARY OF FACULTIES—K. C. TURPIN, M.A., B.Litt. Oriel.

ASSISTANT REGISTRAR—S. CALDWELL, M.A. Wadham.

SECOND ASSISTANT REGISTRAR—C. H. PATERSON, M.A. C.C.C.

NOTE.—The Colleges and Heads of Colleges are given on pp. 282 ff.

Telephone : Registry—Oxford 47445.

TEACHING STAFF

Agriculture, v. infra

Anatomy, v. also Zoology, Med.

Clark, W. E. Le G., D.Sc. Lond., M.A. Hertf., F.R.C.S., F.R.S.

Dr. Lee's Prof.

Weddell, A. G. M., M.A. Oriel

Reader.

Carleton, Mrs. Alice B., M.A. St.

Anne's Lectr. and Demr.

Blackwood, Beatrice M., M.A.,

B.Sc. Som. (Ethnol.)

Lectr. and Demr.

Bradford, J. S. P., M.A., Ch. Ch.

(Ethnol.) Lectr. and Demr.

Barer, R., M.B., B.S. Lond., M.A. Hertf. Lectr. and Demr.

Sinclair, D., M.A. Oriel
Sr. Research Officer.

Anglo-Saxon

Wrenn, C. L., M.A. Pemb.

Rawlinson and Bosworth Prof.

Anthropology, Physical

Weiner, J. S., M.A. Hertf.

Reader.

Anthropology, Social

Evans Pritchard, E. E., M.A.

All S.

Prof.

Fortes, M., M.A. Exe.

Reader.

- Wilde Lectr. in Nat. and
Comp. Relig.
Penniman, T. K., M.A. Trin.
Curator of Pitt Rivers
Museum.
Gluckman, H. M., M.A., D.Phil.
Exe. Lectr.
Archæology, v. also Oriental
Langs.
Beazley, J. D., M.A. Linc. (Classi-
cal A. and Art) Lincoln Prof.
Dunbabin, T. J., M.A. All S.
(Classical A.) Reader.
Hawkes, C. F. C., M.A. Keble
(European A.) Prof.
Jacobsthal, P., D.Phil. Bonn, M.A.
Ch. Ch. (Celtic A.) Reader.
Gray, Dorothea H. F., M.A. St.
Hugh's (Homeric A.).
- Art*
Clark, Sir K. M., K.C.B., M.A.
Trin (Fine Art) Slade Prof.
Rutherford, A. D., M.A. (Draw-
ing) Ruskin Master.
Assyriology, v. Oriental Lan-
guages
Astronomy
Plaskett, H. H., M.A. New Coll.,
F.R.S. Savilian Prof.
Adam, Madge G., M.A., D.Phil.
St. Hugh's Lectr. and Demr.
Biochemistry, v. also Medicine
Peters, R. A., M.C., M.A. Trin.
Whitley Prof.
Lectrs. and Demrs.
Carter, C. W., M.A., B.M. Queen's.
Fisher, R. B., M.A., B.Sc., D.Phil.
St. Joh.
Ogston, A. G., M.A., D.Phil. Ball.
Nimmo Smith, R. H., B.A. Univ.
Whittaker, V. P., M.A., D.Phil.
B.N.C.
Parsons, D. S., B.M. Mert.
Sr. Research Officer
Stocken, L. A., M.A., D.Phil. St.
Cath.
- Botany*, v. also Agriculture
Osborn, T. G. B., D.Sc. Manc.,
M.A. Magd. Sherardian Prof.
Readers, Lectrs. and Demrs.
Wilkins, W. H., M.A., D.Phil. Pet.
H.
James, W. O., M.A., D.Phil. Oriel.
Lectrs. and Demrs.
Hoyle, A. C., M.A., B.Sc. Pemb.
..... Fielding Curator and
Keeper of the Herb-
aria.
Harley, J. L., M.A., D.Phil.
Queen's.
- Celtic*
Foster, I. Ll., M.A. Wales and
Jesus Jesus Prof.
- Chemistry*
Robinson, Sir R., D.Sc. Durh.,
Liv., Lond., Manc. and Wales,
M.A. Magd., P.R.S.
Waynflete Prof.
Hinshelwood, C. N., Sc.D. Dub.,
D.Sc., M.A. Exe., F.R.S.
(Phys. C.). Dr. Lee's Prof.
Lecturer
Hume-Rothery, W., M.A., D.Sc.
Magd. (Metall.).
Lectrs. and Demonstrators
Hope, E., M.A. Magd.
Hammick, D. L., M.A. Oriel.
Plant, S. G. P., M.A., B.Sc.,
D.Phil. Magd.
Smith, J. C., M.Sc. N.Z., Ph.D.
Manc., D.Sc., M.A. New Coll.
Lambert, J. D., M.A. Trin
Brewer, F. M., M.A., B.Sc. Linc.
King, F. E., D.Sc., M.A., D. Phil.
Oriel.
Thompson, H. W., M.A., B.Sc. St.
Joh.
Bowen, E. J., D.Sc., M.A. Univ.,
F.R.S.
Bell, R. P., M.A. Ball.
Parkes, G. D., M.A., B.Sc.,
D.Phil. Keb.

Waters, W. A., M.A. Ball.
Barltrop, J. A., M.A., B.Sc.,
D.Phil. B.N.C.

Irving, H. M. N. H., M.A., D.Phil.
St. Edm. H.

Staveley, L. A. K., M.A. New Coll.
Linnett, J. W., M.A., D.Phil. Qu.
Sutton, L. E., M.A., D.Phil. Magd.
Hodgkin, Dorothy M., M.A., B.Sc.
Som., F.R.S. (Chem. Crystall.)

Assistant to Dr. Lee's Prof.

Danby, C. J., M.A., B.Sc., D.Phil.
St. Joh.

Classics, v. also Archæol. and
Greek and Latin Lit.

Dodds, E. R., M.A. Ch. Ch.
(Greek) Reg. Prof.

Tod, M. N., M.A. Or. (Greek Epi-
graphy) Reader.

Fraenkel, E. D. M., Dr. phil. Göt-
tingen, M.A. Camb. and
C.C.C. (Latin) Corpus Prof.

Pfeiffer, R. C. F. O., M.A. C.C.C.
(Cl. Scholarship) Lectr.

Watt, W. S., M.A. Ball. (Lat. Lit.)
Lectr.

Wells, A. F., M.A. Univ. (Lat.
Lit.) Lectr.

Barrett, W. S., M.A. Keb. (Gk.
Lit.) Lectr.

Maidment, K. J., M.A. Mert. (Gk.
Lit.) Lectr.

Colonial Administration

Perham, Margery F., M.A. Nuffield
Reader.

Dobbs, H. A. C., M.A. Ch. Ch.
Lectr.

Colonial Economic Affairs

Frankel, S. H., M.A. Nuffield Prof.

Criminology

Grünhut, M., M.A. All S. Lectr.

Crystallography, v. Mineralogy

Czechoslovak Studies

Seton - Watson, R. W., M.A.,
D.Litt. B.N.C. Prof.

Diplomatic

Major, Kathleen, M.A., B.Litt. St.
Hild. Reader.

Divinity, v. Theology

Economics, v. also Pol. Econ.

Harrod, H. R. F., M.A. Ch. Ch.
Lectr.

Hugh-Jones, E. M., M.A. Keble
Lectr.

Hitch, C. J., M.A. Qu. Lectr.
Allen, W. M., M.A. Ball. Lectr.

Dowdall, E. G., M.A., D.Phil. St.
Joh. Lectr.

MacDougall, G. D. A., M.A. Wadh.
Lectr.

Education

Jacks, M. L., M.A. Wadh.
Director.

Dobinson, C. H., M.A. Wadh.
Reader.

Yeaxlee, B. A., M.A., B.Litt. St.
Cath. (Psychol.)

Reader and Tutor Lectr.
Talbot, Elfrida M., M.A. St. Hu.

Lectr. and Tutor to
Women Students, and
Principal of the
Women's Hostel.

Lectrs. and Tutors

Jones, L. G. E., M.A. Ball.
Tomlinson, Leila, M.A. Som.

Wagner, F. W., M.A. Ch. Ch.
Johnston, W. D., M.A. Dub., M.A.

Wadh.

Le Mare, Monica W.
Jones, Mary K., M.A., B.Litt.

L.M.H.
Spencer, M. M., M.A. Camb.

Egyptology, v. Oriental Langs.

Embryology, v. Zool.

Engineering Science, v. also Sur- veying

Thom, A., M.A. B.N.C. Prof.
Black, A. N., M.A. Exe.

Donald Pollock Reader.
Dick, J., Ph.D. Sheff., M.A. New

Lectr. and Demr.

English, v. also Anglo-Saxon,
Poetry

Wilson, F. P., M.A., B.Litt. Mert.
(E. Lit.) Merton Prof.

Tolkien, J. R. R., M.A. Mert. (E.
Lang. and Lit.)

Merton Prof.

..... Goldsmiths' Reader.
Onions, C. T., M.A., D.Litt. Magd.
(Eng. Phil.) Reader.

Turville Petre, E. O. G., M.A.,
B.Litt. Ch. Ch.

(Anc. Icelandic) Reader.
Smithers, G. V., M.A. Hertf.

(Eng. Lang.) Lectr.
Leishman, J. B., M.A., B.Litt. St.
Joh. (Eng. Lit.) Lectr.

Cecil, Lord David, M.A. New Coll.
(Eng. Lit.) Lectr.

Whitelock, Dorothy, M.A. St.
Hild. (Old Eng.) Lectr.

McIntosh, A., M.A. Ch. Ch.
(Med. Eng.) Lectr.

Coghill, N. H. K. A., M.A. Exe.
(Eng. Lit.) Lectr.

Lascelles, Mary M., M.A., B.Litt.
Som. (Eng. Lit.) Lectr.

Gardner, Helen L., M.A. St. Hild.
(Eng. Lit.) Lectr.

Dyson, H. V. D., M.A., B.Litt.
Mert. (Eng. Lit.) Lectr.

Griffiths, Mary E., M.A. St. Anne's
(Eng. Lit.) Lectr.

Lea, Kathleen M., M.A. L.M.H.
(Eng. Lit.) Lectr.

Forestry, v. also Surveying,
Rural Econ.

Champion, H. G., M.A. St. Joh.
Prof.

Lectrs. and Demrs.

Chalk, L., M.A., D.Phil. Univ.

Day, W. R., M.A., B.Sc. Exe.

Chrystal, R. N., D.Sc. Edin., M.A.
(Entomol.)

Lloyd, A. H., M.C., M.A. Exe.

ones, E. W., M.A. Magd.

renan, J. P. M., M.A. B.N.C.

imbleby, G. W., M.A., B.Sc.
Magd.

Handley, W. R. C., M.A. St. Joh.

Leyton, L., M.A. Camb., M.A.
Queen's.

Macgregor, J. J., M.A., B.Litt.
Ball.

Anderson, M. L., M.A. Linc.

French Language and Lit.

Rudler, G., D. ès L. Paris, M.A.
All S. (Fr. Lit.) Foch Prof.

Starkie, Enid M., M.A., D.Litt.
Som. (Fr. Lit.) Reader.

Lecturers

Moore, W. G., M.A. St. Joh.

Robson, C. A., M.A., B.Litt. Ch.
Ch. (Philol. and Old F. Lit.).

Francis, Elizabeth A., M.A. St.
Hugh.

Sutherland, Mrs. D. Rhoda, M.A.
L.M.H.

Chesney, Kathleen, M.A., D.Phil.
St. Hild.

Crow, A. D., M.A., B.Litt. Or.

Macdonald, I., M.A. Qu.

Taylor, F. A., M.A. Ch. Ch.

Sayce, R. A., M.A. Worc.

Barnes, Mrs. Annie M., M.A.,
D.Phil. St. Anne's.

Gerard Davis, Mrs. Mary I., M.A.
St. Hild.

Geography, v. also Surv.

Mason, Col. K., M.C., M.A. Hertf.
Prof.

Kendrew, W. G., M.A. Cath.
(Climatol.) Reader.

Gilbert, E. W., M.A., B.Litt.
Hertf. (Human G.) Reader.

Gullick, C. F. W. R., M.A., B.Litt.
Qu. (Econ. G.) Lectr.

Steel, R. W., M.A. Jes. (Col. G.)
Lectr.

Geology

Douglas, J. A., M.A., D.Sc. Univ.
Prof.

Lectrs. and Demrs.

Bayzand, C. J., M.A. Cath.

Sandford, K. S., M.A., D.Phil.,
D.Sc. Univ. (Pleistocene G.).

Harrison, J. V., M.A. Ch. Ch.

Graduate Asst.
Edmonds, J. M., M.A., B.Sc.
St. Edm. H.

Geometry
Titchmarsh, E. C., M.A. New Coll.
Savilian Prof.

German
Boyd, J., M.A., B.Litt. Qu.
Taylor Prof.
Bostock, J. K., Ph.D. Lond.,
M.A., B.Litt. Wadh. Reader.
Stahl, E. L., M.A. Cape T. and Ch.
Ch., Ph.D. Berne. Reader.
Barnes, H. G., M.A. Magd. Lectr.
Davison, O. L., B.A. St. Hu.
(G. Lit.) Lectr.

*Greek, Byzantine and Modern
Lang. and Lit.*
Trypanis, C. A., M.A. Exe.
Bywater & Sotheby Prof.

Greek and Latin Lit.
Lecturers
Platnauer, M., M.A., B.Litt. B.N.C.
Page, D. L., M.A. Ch. Ch.
Denniston, J. D., M.A. Hertf.
Levens, R. G. C., M.A. Mert.
Hardie, C. G., M.A. Magd.

Hebrew, v. Oriental Langs.
History, American
Potter, D. M., M.A. Qu. (Har-
vard Univ.), for 1 yr. to
30.9.48.

H. V. Harmsworth Prof.
*History, Ancient, v. also
Archæol.*
Last, H. M., M.A. B.N.C.
Camden Prof.
Wade-Gery, H. T., M.C., M.A. New
Coll. Wykeham Prof.

Lecturers
Syme, R., M.A. Trin.
Meiggs, R., M.A. Ball.
Andrewes, A., M.A. New Coll.
Balsdon, J. P. V. D., M.A. Exe.
Sherwin-White, A. N., M.A. St.
Joh.

Henderson, Mrs. Mary I., M.A.
Som.
Chilver, G. E. F., M.A., D.Phil.
Qu.
Gray, E. W., M.A. Ch. Ch.
Lepper, F. A., M.A. C.C.C.
Stevens, C. E., M.A., B.Litt.
Magd.

History of the British Empire
Coupland, Sir R., D.Litt. Durh.,
M.A. All S. Beit Prof.
Madden, A. F., M.A., B.Litt. Ch.
Beit Lectr.

History, Eccl., v. Theology
History, Econ., v. Pol. Econ.
History, Indian
Davies, C. C., Ph.D. Camb., M.A.
Ball. Reader.

History, Mediæval
Lecturers
McKisack, May, M.A., B.Litt.
Som. (Med. Constit.).
Pantin, W. A., M.A. Or. (Med.
Archæol.).
Lee, S. G., M.A. Magd. (17th Cen-
tury English).
Dickens, A. G., M.A. Keble (16th
Century English) Lectr.
Myres, J. N. L., M.A. Ch. Ch.
(Early Eng.) Lectr.
Gibbs, N. H., M.A., D.Phil. Mert.
Cox, A. D. M., M.A. Univ.

History, Modern, v. also Dipl.
Galbraith, V. H., M.A. Or.
Reg. Prof.
Feiling, K. G., M.A., D.Litt. All S.
Chichele Prof.
Woodward, E. Ll., M.A. Worc.
Prof.
Beloff, M., B.Litt., M.A. C.C.C.
(Comp. Study of Institutions)
Reader.

Lecturers
Goodwin, A., M.A. Jes. (Mod.
French).
Wernham, R. B., M.A. Trin.

Taylor, A. J. P., M.A. Magd.
 Davies, Rev. R. T., M.A. St. Cath.
 (Spanish Hist.).

Hurnard, Naomi D., M.A., D.Phil.
 L.M.H.

Armstrong, C. A. J., M.A. Hertf.
 Southern, R. W., M.A. Ball.
 Smalley, Beryl, M.A. St. Hild.
 Hill, J. E. C., M.A. Ball.
 Reeves, Marjorie E., M.A. St.
 Anne's.

Deakin, F. W. D., M.A. Wadh.
 Ramsay, G. D., M.A., D.Phil. St.
 Edm. H.

Edwards, J. G., M.A. Jes.
 Gough, J. W., M.A. Or.
 Collier, E. G., M.A., B. Litt. B.N.C.
 Markham, F. M. H., M.A. Hertf.

History of War

Falls, C. B., M.A. All S.
 Chichele Prof.

Italian

D'Entrèves, A. P., M.A., D.Phil.
 Magd. Serena Prof.
 Dionisotti, C. Lectr.

Law, v. infra

Logic

Price, H. H., M.A., B.Sc. New
 Coll. Wykeham Prof.

Mathematics, Pure

Whitehead, J. H. C., M.A. Magd.
 Waynflete Prof.

Mathematics

Milne, E. A., D.Sc., M.A. Wadh.,
 F.R.S. Rouse Ball Prof.
 Chaundy, T. W., M.A. Ch. Ch.
 Reader.

Lecturers

Haslam Jones, U. S., M.A., D.Phil.
 Queen's.
 Newbould, H. O., M.A. Mert.
 Thompson, J. H. C., M.A., D.Phil.
 Wadh.

Ferrar, W. L., D.Sc., M.A. Hertf.
 Thompson, E. C., M.A. Jes.
 Kendall, D. G., M.A. Magd.
 Busbridge, Ivy, M.A., D.Phil. St.
 Hu.

Mauldon, J. G., M.A. Jes.
 Jr. Lectr.
 Watson, P. D., B.A. New Coll.
 Jr. Lectr.

Medicine, v. infra

Meteorology, v. Philosophy,
 Expl.

Mineralogy and Crystallography

Spiller, R. C., M.A. Cath. (Min.)
 Reader.

Powell, H. M., M.A., B.Sc. St. Joh.
 (Chem. Crystallog.) Reader.

Music

Westrup, J. A., B.Mus., M.A.,
 Hon. D.Mus. Wadh.

Heather Prof.

Armstrong, T. H. W., M.A.,
 D.Mus. Ch. Ch.

Choragus and Lectr.

Andrews, H. K., M.A., D.Mus.
 New Coll. Lectr.

Rubbra, C. E., M.A. Worc Lectr.
 Wellesz, E. J., M.A., Hon. D.Mus.
 Cinc. Lectr.

Numismatics

Robinson, E. S. G., M.A. Ch. Ch.
 Reader.

Sutherland, C. H. V., M.A., D.Litt.
 Ch. Ch. Lectr.

Oriental Languages, v. infra

Palæography

Ker, N. R., M.A., B.Litt. Magd.
 Reader.

Papyrology

Lobel, E., M.A. Qu. Reader.
 Bell, Sir H. I., M.A. Or. Reader.
 Roberts, C. H., M.A. St. Joh.
 Lectr.

Philology, Comparative

Braunholtz, G. E. K., M.A. Worc.
 Prof.

Philosophy

Lecturers

Mabbott, J. D., M.A. St. Joh.
 Hardie, W. F. R., M.A. C.C.C.
 Allan, D. J., M.A. Ball.

Berlin, I., M.A. New Coll.
Kneale, W. C., M.A. Exe.
Austin, J. L., M.A. Magd.
Robinson, R. G. F., M.A., B.Litt.
Or.
Macnabb, D. G. C., M.A. Pemb.
Paul, G. A., M.A. Camb., M.A.
Univ.
Woozley, A. D., M.A. Qu.
Cox, H. H., M.A. Linc.
Walsh, W. H., M.A. Mert.

Philosophy, Experimental

Cherwell, Lord, M.A. Wadh. and
Ch. Ch., F.R.S.
Dr. Lee's Prof.
Dobson, G. M. B., M.A., D.Sc.
Mert., F.R.S.
(Meteorol.) Reader (title
of Prof.).
Waismann, F., M.A. New Coll.
(P. of Science and Maths.)
Lectr.

Lectrs. and Demrs.

Keeley, T. C., M.A. Wadh.
Hull, R. A., M.A., D.Phil. B.N.C.
Cooke, A. H., M.A., D.Phil. New
Coll.
Collie, C. H., M.A. Ch. Ch.
Griffiths, J. H. E., M.A., D.Phil.
Magd.
Kuhn, H. G., M.A. Univ.
Kurti, N., M.A. B.N.C.
Bleaney, B., M.A., D.Phil. St. Joh.
Daunt, J. G., M.A., D.Phil. Exe.
Rollin, B. V., M.A., D.Phil. Wadh.
Roaf, D., M.A., D.Phil. Ch. Ch.

Philosophy, Mental, v. also
Logic

Farrell, B. A., M.A., B.Litt. Ball.
Wilde Reader.

Philosophy, Metaphysical

Ryle, G., M.A. Magd.
Waynflete Prof.

Philosophy, Moral

Paton, H. J., LL.D. St. And.,
M.A., D.Litt. C.C.C.
White's Prof.

Philosophy, Natural

Chapman, S., M.A. Qu., F.R.S.
Sedleian Prof.

Physics

Pryce, M. H. L., M.A. New Coll.
Wykeham Prof.
Hurst, C., M.A., D.Phil. Jes.
Lectr.
Lectrs. and Demrs.

Gill, E. W. B., M.A., B.Sc. Mert.
Dobson, G. M. B., M.A., D.Sc.
Mert., F.R.S. (Climatol.).
Mendelssohn, K. A. G., M.A.
Wadh.

Davies, W. T., M.A. Keb.

Physiology, v also Medicine

Liddell, E. G. T., D.M. Magd.
Waynflete Prof.
Douglas, C. G., B.Sc., D.M. St. J.
(Gen. Metabolism)
Reader, Lectr. and Demr.
(title of Prof.).

Lectrs. and Demrs.

Carleton, H. M., M.A., B.Sc.,
D.Phil. New Coll. (Animal
Histol.).
Creed, R. S., D.M. New Coll.
Leach, E. H., M.A., B.Sc. B.N.C.
Whitteridge, D., B.Sc., D.M. Magd.
Glees, F. P., M.A., D.Phil. St.
Cath.

Poetry

Bowra, C. M., M.A., D.Litt.,
Warden of Wadh. Prof.

Political Econ.

Henderson, Sir H. D., M.A. All S.
Drummond Prof.
Hancock, W. K., M.A. All S. (Econ.
Hist.) Chichele Prof.
Lennard, R. V., M.A. Wadh. (Ec.
Hist.) Reader.
Rodger, A. B., M.A. Ball. (Mod.
English Ec. Hist.) Lectr.
Schenk, H. G. A. V., M.A., D.Phil.
Exe. (Eur. Econ. and Social
Hist.) Lectr.

- Political Theory and Institns.*
 Wheare, K. C., M.A. All S.
 Gladstone Prof. of Govt.
 and Pub. Admin.
 Cole, G. D. H., M.A. All S.
 Chichele Prof. of Social
 and Political Theory.
- Politics*
 Lecturers
 McCallum, R. B., M.A. Pemb.
 Harrison, W., M.A., Qu.
 Nicholas, H. G., M.A. Exe.
 Wilson, C. H., M.A. C.C.C.
 Briggs, A., M.A. Worc.
 Hicks, Mrs Ursula K., M.A. Som.
 (Pub. Finance)
- Portuguese Studies*
 Lectr.
- Psychology* (Institute of Experimental)
 Humphrey, G., M.A. Magd.
 Prof. and Director.
 Zangwill, O. L., M.A. New Coll.
 Asst. Director.
 Oldfield, R. C., M.A. Mert. Lectr.
 Babington-Smith, B., M.A. Camb.
 Lectr.
- Religion, v Theology*
- Romance Lang.*
 Ewert, A., M.A. Trin. Prof.
- Rural Economy, v. infra, Agriculture*
- Russian*
 Konovalov, S., M.A., B.Litt. New Coll. Prof.
 Gorodetzky, Nadejda, M.A., B. Litt., D.Phil. St. Hu. Lectr.
- Scientific Experiment, Design and Analysis of*
 Finney, D. J., M.A. Or. Lectr.
- Spanish*
 Entwistle, W. J., M.A. Exe.
 King Alfonso XIII. Prof.
- Kolkhorst, G. A., M.A. Exe.
 Reader.
 Jimenéz, Don A. Lectr.
 Russell, P. E. L. R., M.A. Queen's Lectr.
 (Span. Studies)
- Spectroscopy*
 Jackson, D. A., M.A., D.Sc. Ball.
 Lectr. (title of Prof.)
- Statistics*
 Champernowne, D. G., M.A. New Coll. Reader.
- Surveying* (for Engin., Agric., Forestry, Geog. Students, and Col. Admin. Services probrs)
 Robbins, A. R., M.A. Hertf.
 Dep. for Reader.
- Theology, v. infra*
- Thermodynamics*
 Simon, F., M.A. Ch. Ch.
 Reader (title of Prof.).
- Zoology and Comp. Anat., v. also Agric.*
 Hardy, A. C., M.A., D.Sc. Mert.
 Linacre Prof.
 Carpenter, G. D. H., M.B.E., D.M. Jes. (Entomol.). Hope Prof.
 Readers, Lectrs. and Demrs
 Elton, C. S., M.A. C.C.C. (Animal Ecology).
 Ford, E. B., M.A., D.Sc. Wadh. (Genetics)
 Woods, D. D., M.A. Univ. (Microbiol.)
 Tucker, B. W., M.A. Magd. (Ornith.).
 Baker, J. R., M.A., D.Phil., D.Sc. New Coll. (Cytology).
 Lectrs. and Demrs
 Needham, A. E., M.A., B.Sc. St. Joh.
 Pusey, H. K., M.A. St. Edm. H. (Embryol.) Jenkinson Lectr.
 Chrystal, R. N., D.Sc. Edin., M.A. (Forest Entomol.).

Agriculture

Blackman, G. E., M.A. St. Joh.
Sibthorpean Prof. of
Rural Economy.
Morison, C. G. T., M.A. Ch. Ch.
(Soil Sci.) Reader.

Lectrs. and Demrs.

Amery, G. D., M.A. B.N.C.
Clarke, G. R., M.A., B.Sc. Or.
(Rural Economy).
Ellis, J. C. B., M.A. Jes. (Physics
& Chem.).
Cunliffe, N., M.A., D.Sc. Wadh.
(Agr. Entomol.).
Hoyle, A. C., M.A., B.Sc. Pemb.
(Bot.).

Russell, R. S., M.A. Camb., M.A.
B.N.C.
Soper, M. H. R., M.A. Camb., M.A.
Qu.

Hunt, K. E., M.A. Exe.
Hirsch, G. P.

Agrarian Affairs (Institute)

Maxton, J. P., M.A., B.Litt. Ball.
Director

Agr. Economics (Agr. Econ.
Research Inst.)

Ashby, A. W., M.A. Linc. Director.
Senior Research Officer
Raeburn, J. R., B.Sc. Edin., M.A.
Linc.

Research Officers

Dixey, R. N., M.A. St. Joh.
Stewart, A. H., C.A. Edin.
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Roman

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Roman-Dutch

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(for subjects of the first 2 yrs.—
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D.Phil. Ch. Ch.
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Coll. Dean Ireland's Prof.

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M.A. Ch. Ch. Reg. Prof.

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Farrer, Rev. A. M., D.D. Trin.
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Mascall, Rev. E. L., M.A., B.D.
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Lectr.

Septuagint

Kilpatrick, G. D., B.D., M.A. Or.
Grinfield Lectr

George Eastman Visiting Prof.

Pauling, L., M.A. Ball.

Bampton Lecturer

(alternate years)

1948, Rev. A. M. Farrer, D.D.
Trin.

Romanes Lecturer

1947, Samuel, Rt. Hon. Viscount,
M.A., D.C.L. Ball.

Ford's Lecturer in English Hist.

1947, Webster, Sir C. K., M.A.,
Litt.D. Camb.

Herbert Spencer Lecturer

1947, Bartlett, Sir F. C., M.A.
Camb., F.R.S.

Halley Lecturer

1947, Störmer, C., D.Sc.

Sidney Ball Lecturer in Econ.

1947, Franks, Sir O. S., M.A.,
Provost of Queen's.
Subject—*The Experience of a
University Teacher in the
Civil Service.*

Sir Basil Zaharoff Lecturer

1946-47, Prof. Delattre (Univer-
sité de Paris).

Subject—*Ruskin et Bergson :
de l'intuition esthétique à
l'intuition métaphysique.*

Taylorian Lecturer

1947, Prof. L. A. Willoughby,
M.A., Ph.D. Lond.
Subject—*Unity and Continu-
ity in Goethe.*

Rhodes Memorial Lecturer

.....
Frazer Lecturer (Social Anthro-
pology—Ox., Camb., Glasgow,
Liverpool in rotation).

1947-48—at Cambridge.

Ratanbai Katrak Lecturer

(Study of Religion of Zoroaster)
W. B. Henning, Ph.D. Göttingen

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Lecturers employed under the
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Studies Delegacy (about 30),
see p. 310.

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Chem.), Tutor for Admissions, U.
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tions).
- d'Entrèves, A. P., M.A., D.Phil.
Magd., *Serena Prof. of Ital.*
Studies.
- MacDougall, G. D. A., C.B.E., M.A.
Wadh., *U. Lectr. (Econ.).*
- Mackenzie, W. J. M., LL.B. Edin.,
M.A. Magd.
- Visiting Fellows
- Beveridge of Tuggal, Lord, K.C.B.,
LL.D. Aberd., Chuc., Paris and
Col., D.Litt. McG., D.Litt.Hum.
Penn., D.Sc.(Econ.) Lond.,
B.C.L., M.A., F.B.A.
- Clay, Harold.
- Melchett, Lord.
- Streat, Sir E. R., C.B.E.
- Heyworth, G.
- Morrison, Rt. Hon. H., M.P.
- Robertson, N.
- Woods, Sir J., M.A.

GENERAL INFORMATION

CONSTITUTION. The *Congregation of the University* consists mainly of the teaching and administrative elements in the Univ. and Colleges. It is the principal legislative body in the Univ. and, subject to the postponing power of Convocation explained below, can adopt, reject, or amend legislative proposals submitted by the Hebdomadal Council. *Convocation*, a larger body consisting of all Masters of Arts and Doctors of the Faculties of Divinity, Civil Law, and Medicine who have their names on the Univ. books, has the power of postponing, but not of rejecting or amending, Statutes or Decrees which have been passed by the vote of less than two-thirds of the members of Congregation present and voting. It also confers honorary degrees and degrees granted by Decree or Diploma. It sanctions petitions to Parliament, and authorizes the affixing of the Univ. seal when necessary. The *Hebdomadal Council* consists of the Chancellor, Vice-Chancellor, immediate ex-Vice-Chancellor (for one year after the expiry of his term of office), or one of the Pro-Vice-Chancellors who has not held the office of Vice-Chancellor, the Proctors, and 18 members elected by Congregation. It takes the initiative in all legislation of the Univ. and forms the central administrative body. Other important bodies, endowed with considerable powers and responsibilities, are the *General Board of the Faculties* and the *Curators of the University Chest*.

The Chancellor, elected for life by Convocation, is a non-resident Officer. The executive power is chiefly in the hands of his Deputy, the Vice-Chancellor, who is annually nominated by him from among the Heads of Colleges, and the Proctors annually elected by the Colleges and Halls in rotation.

The Colleges are corporate bodies distinct from the Univ. They manage

their own property, and elect their own officers; and the Proctors have no power within their walls. Their Statutes, however, render them subject to certain Univ. Statutes which deal, among other things, with reservation of a proportion of Fellowships for Univ. teachers and officers, the assignment of Fellowships to University Professorships, the admission of undergraduates, contributions for Univ. purposes, the presentation and audit of accounts, and the special examination of catering accounts. The relation between the Univ. and the Colleges is intimate. The great majority of the members of the Univ. belong to the Colleges, and all who belong to the various Colleges are at the same time members of the Univ. Teaching is given partly by Univ. Profs., Readers, Lecturers, and Demonstrators, partly by the more numerous body of College Tutors and Lectrs.

Entrance scholarships (£100) and exhibitions (£40-£80) are awarded by the various Colleges. Their actual value, in the large majority of cases, is £30 a year (or its equivalent) but a scholar or exhibitioner, after election, may be granted an additional sum not exceeding the advertised maximum of his award if he supplies satisfactory evidence that he is in need of further assistance.

Under the Universities of Oxford and Cambridge Act, 1923, which set up a Statutory Commission for Oxford, new Statutes were made for the University and for the Colleges. These Statutes were laid before Parliament and received the approval of the King in Council. A summary of the most noteworthy changes embodied in them, prepared by Sir Henry Sharp, K.C.I.E., the Secretary to the Commission, will be found in the *Yearbook* for 1929, pp. 221 and 222.

FACULTIES. Theol., Law, Med., Literæ Humaniores, Mod. Hist., Engl. Lang. and Lit., Med. and Mod. Langs., Oriental Studies, Phys. Sciences (including Maths.), Biol. Sciences, Social Studies, Anthropology and Geography, Music, Agriculture and Forestry.

ADMISSION. See App. I.

ADMISSION OF NON-MEMBERS OF THE UNIVERSITY TO LECTURES. Admission to lectures in the Schools (but not to classes, seminars, or informal instruction) is granted on certain conditions to persons who are not members of the University on payment of £5 a Term, or, if admission to lectures in one Faculty only is desired, of £3 a Term, or, where special privileges have been granted, without fee.

Fees are to be paid at the Office of the University Chest, Clarendon Building, Broad Street. Other enquiries should be made of the Clerk of the Schools at the Examination Schools.

Non-members of the Univ. may attend lectures and classes in Mod. Foreign Langs. on payment of fees varying from 10s. to 15s. per Term for one hour a week. Application should be made to the Clerk of the Curators, Taylor Institution.

THE ACTING ADVISER OF OVERSEAS STUDENTS (S. Caldwell, M.A. Wadh., Assistant Registrar, University Registry) will advise persons, including Dominion, Colonial, foreign and other oversea students (other than Rhodes Scholars), who cannot conveniently communicate directly with a Society and who desire information with a view to admission to the University.

INCORPORATION. Members of the Univs. of Cambridge and Dublin can be, under certain conditions, "incorporated" into this Univ., i.e., admitted to the status and degree held in their own Univ. Notice of intention to incorporate as an undergraduate must be sent to the Registrar through the Head of a Coll., Hall, or Society. The privileges of incorporation as a graduate are limited to B.A., M.A., Litt.D., B.D., D.D., D.Sc. and Ph.D. of those Univs.,

LL.B., LL.D., M.B., M.D., M.Chir. of Cambridge. Graduates in Law of Cambridge shall, when incorporated, become B.C.L. or D.C.L., and Litt.D.'s of Dublin shall become D.Litt. of Oxford. Any applicant for incorporation must have kept by residence at his Univ. before taking his degree the same number of terms that he would have been required to keep at Oxford for the corresponding degree. While an undergraduate is allowed to incorporate as a matter of course, a graduate must first satisfy the Hebdomadal Council that there are adequate reasons.

In 1910 a Delegacy for WOMEN STUDENTS was constituted, and provision made for recognition by the Univ. of Societies for their reception for academical study, students on the books of such Recognized Societies being accorded a privileged status. Under the provisions of a Statute approved by Convocation on May 11, 1920, which came into force on Oct. 7, 1920, women may be matriculated and admitted to degrees in the Univ. In that year the Delegacy for Women Students was abolished. Previous to matric. a woman must have been admitted as a member of one of the 5 Societies of Women Students. A woman may be admitted to *Responsions* before matric. provided her name is sent in to the Asst. Registrar by the Head or a Tutor of a Soc. to which she *bona fide* desires admission. Women members of the Univ. are admitted to all degrees under the same conditions as those prescribed for men as regards standing, examns., course of study, exercises, and fees, and under analogous conditions as regards residence. A Women Students' Property Committee administers all property vested in the Univ. for the benefit of women members of the Univ. generally, and in particular the Nettleship Library and Bertha Johnson Loan Fund.

The number of resident undergraduate members of St. Anne's Society (who keep statutable residence in houses approved by the Delegates for Lodgings) is limited at present to 250, exclusive of "Advanced students," and not more than 5 students for the Diploma in Theology, and of an additional number not exceeding 5 in any term as may for exceptional reasons be given permission to reside. Preference is given to those applicants for admission to the Society whose homes are in Oxford.

The number of undergraduates in residence at the other Societies of Women Students are also limited by Statute to 180 (exclusive of "Advanced Students" being graduates of other Universities) in the cases of Lady Margaret Hall, Somerville Coll., St. Hugh's Coll., and St. Hilda's Coll.

TERMS. The Academical year, which begins in Oct. and ends in July, consists of 3 terms, Michaelmas, Hilary, and Trinity, beginning, respectively, on Oct. 1, Jan. 10, and the Wednesday after Easter Day, and ending Dec. 17, the day before Palm Sunday, and the Saturday after the first Sunday in July. Residence within the walls of a College or Hall, or in licensed lodgings,* during a certain number of terms, usually 9, and never less than 6, is a condition of admission to any degree. Full terms: 1948-49—Oct. 10 to Dec. 4; Jan. 16 to March 12; April 24 to June 18.

DEGREES. B.A., M.A., B.Litt., D.Litt.; B.Sc., D.Sc.; B.Phil., D.Phil.; B.D., D.D.; B.C.L., D.C.L.; B.M., B.Ch., M.Ch., D.M.; B.Mus., D.Mus.

The degrees which are open to graduate students of other Univs. who are qualified for matric. at Oxford are those of B.A., B.Litt., B.Sc., B.Phil., D.Phil., B.C.L., and B.D.

ARTS. Examns. in Arts, more usually called "Schools," are sharply

* In special circumstances leave to reside in a house which has not been licensed may sometimes be obtained.

divided into Pass and Honour examns.; in the former there is but one standard, in the latter successful candidates are distributed into 3 or 4 classes. No one is admitted to a place in the Class Lists who has exceeded a certain number of terms reckoned from Matricn. No conditions of residence are attached by the Univ. to either Pass or Honour examns.; it is simply for the attainment of the degree of B.A. that residence is obligatory. Every Coll., Hall, and Society, however, has its own rules with regard to both residence and the entry for examns. A candidate for the degree of B.A. must (1) reside at the Univ. as a matriculated member during 9 terms, unless he is privileged as a member of another Univ. or as a "Service" Student; (2) pass or obtain Honours in the following examns., namely:

(a) *Responsions*. This is the Entrance Examination to the University. It must be passed, or some examn. accepted as equivalent to it, before matriculation. Names of candidates must be entered through an officer of the Society to which they intend to belong. See Appendix I.

(b) *The 1st Public Examn.* This consists of (1) Honour Classical Moderations, (2) Hon. Math. Modns., (3) Hon. Sci. Modns., (4) Pass Modns.,* (5) Law Modns., (6) Prelim. Nat. Sci., (7) Prelim. Geography, (8) Prelim. Mod. Langs., (9) Prelim. Mod. Hist. In order to pass the Examn. a candidate must pass in one of these subjects.

(c) *The 2nd Public Examn.* This consists of (a) a Pass School and (b) an Honour School. (a) Contains a large variety of subjects, and candidates taking it are required to pass in 3 of these, of which one must be a language-subject other than English. (b) Includes the following, a class in any one of which is sufficient: Literæ Humaniores (Philos. and Ancient Hist.); Maths.; Nat. Science (Phys., Chem., Physiol., Zool., Bot., Geol., or Engin.); Jurispr.; Mod. Hist.; Theol.; Oriental Studies (Sanskrit, Arabic, Hebrew, Persian, Egyptian or Chinese); Engl. Lang. and Lit.; Mod. Langs. (French, Ger., Ital., Span., Russ., Mediæval and Mod. Greek, or Portuguese); Philos., Politics, and Econ. (Modern Greats); Geog.; Agric.; Forestry; Psych., Philos., and Physiol.

Under certain conditions, members of other Univs. and officers not under 21 yrs. of age who have held for not less than 3 yrs. a Commission in H.M. Regular Forces, and been seconded or specially relieved from active duty by the Admiralty, War Office, Air Ministry, or India Office for the purpose of attending an academic course of not less than 2 yrs., may be admitted to the status of "Senior Student" and "Service Student" respectively, and obtain exemption from Responsions, and, under further conditions, from the 1st Public examn., as well as a remission of 3 terms of the necessary residence (v. App. I). Analogous concessions are made in favour of Probationers for Forest Services in the British Empire who have obtained an approved degree at an approved Univ. and been admitted to the status of "Imperial Forest Service Student."

ADVANCED STUDY AND RESEARCH. The DEGREES B.LITT. and B.Sc., instituted in 1895 in order to encourage special study and research, are granted upon the satisfactory completion of an approved course of special study or research pursued under supervision and for the most part at Oxford and of at least 6 terms' residence. Application to enter upon such a course may be made by any person who produces sufficient evidence of his ability and (1) is a member of the Univ. who has passed the examns. for the degree of B.A., or (2) has taken an approved degree at an approved Univ., or (3)—for the B.Litt.—has obtained an Oxford diploma with distinction, or is held by the Board of the

* Suspended at present.

Faculty to be fully qualified to engage in research. Applications must in all cases be made to the Secy. of Faculties through an officer of the Society to which the candidate belongs or desires to belong. Residence as a member of the Univ. for 6 terms is a necessary condition for either degree. A candidate for the B.Litt. must first undergo a course of training in research methods and then do a special piece of research work and write a thesis, and may be required to pass a written examn. For the B.Sc., which is confined to the Faculties of Science, Medicine, Anthropology and Geography, and Agriculture and Forestry, no probationary period is prescribed. The B.Phil. degree, instituted in 1946, is similar.

Of a similar nature, but of a much higher standard, is the degree of DOCTOR OF PHILOSOPHY instituted in 1918 (v. p. 15).

The higher degrees, D.Litt. and D.Sc., instituted in 1900, are awarded to graduates of Oxford for published work of outstanding merit.

THEOLOGY. The B.D. degree is open to candidates of over 26 yrs. of age who have passed a Qualifying examn. in Christian Theology, pursued a course of study therein extending over 6 terms, resided for 6 terms, and submitted a thesis of sufficient merit in some branch of the subject. No candidate may present a thesis until he has passed the Qualifying examn., which is open to Oxford M.A.'s, to persons who have, not less than 5 terms previously, passed all examns. for the Oxford B.A., and, under certain conditions, graduates of other Univs. First-class or second-class hon. in School of Theol. exempts from this examn.

The degree of D.D. is open to those who have been admitted to the Oxford degree of B.D., subject to certain conditions of standing, provided they have submitted a thesis, or published work, of sufficient merit in some branch of Christian Theology.

LAW. The examn. for the B.C.L. degree is open either (1) to B.A.'s of the Univ. or (2) under certain conditions (including residence for 6 terms) to graduates in Arts, Philos., Science, or Law of other Univs. The subjects are Jurispr., Roman, Engl., Roman-Dutch, and Internat. Law.

MEDICINE. The B.M. degree is open only to B.A.'s of the Univ. who have passed certain examns. in Med. and Nat. Science. The total period of study for the degree (including the scientific subjects studied in the Arts course) is generally about 6 or 7 yrs., of which 2 or 3 may be spent in London in preparation for the more strictly professional subjects of the 2nd B.M. examn. The M.Ch. degree is open to candidates who have passed all the examns. for the B.M. and B.Ch., and either are members of the Surgical staff of a recognized hospital or have acted in such a hospital as Dresser or House Surgeon for 6 months. A candidate for the D.M. must be a B.M., and have entered on the 30th term from matricn. and had his name on the books of some Coll. or Hall or Society for 20 terms.

Senior Students may be exempted from the preliminary examn. in Physics, Chemistry, Zoology, and Botany, in consideration of equivalent examns. passed at their previous Universities.

MUSIC. The degree of B.Mus. is open to candidates who have been admitted to the degree of B.A. and have also passed three examns. in Music (and composed a Musical Exercise) under conditions laid down by Statute. Residence for 9 terms is required. A B.Mus. may qualify for the degree of D.Mus. by submitting a musical composition for approval and passing a further examn. in Music, but cannot submit a composition until the 9th term after his admission to the Baccalaureate.

DIPLOMAS. Many of these are open to persons who are not members of the Univ. Minimum courses and addresses of Secretaries from whom particulars can be obtained :

Education, 1 yr. (or Vacation course, v. *infra*), Director, Department of Education, 15 Norham Gardens.

Economics and Political Science, minimum 1 yr., The Secretary, Delegacy for Social Training, Barnett House.

Public and Social Administration, 1 yr. and period of practical work, The Secretary, Delegacy for Social Training, Barnett House.

Anthropology, 1 yr., The Diploma Secy., Pitt Rivers Museum.

Forestry, 1 yr., The Professor of F., School of F. Open to graduates of Oxford or other Univs.

Agricultural Economics, 1 yr., The Sibthorpe Professor of Rural Economy, Dept. of Agriculture.

Classical Archaeology, 1 yr., Secy. to Committee on C.A., Ashmolean Museum.

Theology, 1 yr., Secy. of Faculties (open only to members of the University).

Comparative Philology, 1 yr., The Prof. of C.P., Worcester Coll.

Ophthalmology, Secy., Nuffield Ophthalmological Laby., Oxford Eye Hospital. Open to Registered Medical Practitioners and to approved Bachelors and Doctors of Med. of Univs. outside the U.K.

Music. Open only to members of the University who must either (1) be qualified for B.A. degree at Oxford, or (2) have passed the First Public Examination, and two Groups of the Final Pass School.

Certificates: Physical or Cultural Anthropology, 3 months, The Diploma Secy., Pitt Rivers Museum. Training for Social Work and Public Administration, The Secy. to the Delegacy for Social Training, Barnett House. Fine Art, The Ruskin Master of Drawing, Ashmolean Museum.

REGULAR COMMISSIONS IN THE BRITISH ARMY. The pre-war regulations are in abeyance. A new scheme, whereby a University candidate will receive an ante-date (which will vary according to the class of Honours degree taken) to place him roughly on a level with his contemporaries from the R.M.A., Sandhurst, is at present under consideration at the War Office. It is hoped that details will be available by Oct. 1948. Office of the Secy. to the Delegacy for Military Instruction—H.Q.O.U.S.T.C., Manor Road.

AVIATION. Membership of the University Air Squadron is granted by selection to members of the University after interview by a Selection Committee. All candidates must obtain parental and College permission to join, and must be up to the full medical standard of the Royal Air Force. There are no fees for entrance, medical examination, or flying instruction, but a small annual subscription is imposed for Club purposes. Every member undertakes to obtain the Squadron Certificate of Proficiency by the end of his second year in the Squadron. This involves passing an examn. in four ground subjects, and it qualifies the holder to fly solo in term time. The Squadron is limited to 75 members, and in consequence there is great competition for membership. Students from overseas are advised to bring parental consent to join the Squadron with them before they sail for England.

The DEPARTMENT OF EDUCATION (address—15 Norham Gardens), established in 1919, is under the general direction of a Delegacy. For staff, see *under* Education. For the Univ. Dipl. in Educn. there is a 1 yr. postgrad. course of which one term is devoted to practical work in a school. Oxford graduates with 1st or 2nd Class Hons. in Mod. Langs. may, by special permission, spend one or two terms in the study of the Theory and Practice

of Educn. at an approved European Univ. Under certain conditions the Diploma Course may be taken by undergraduate members of the Univ.

Vacation Courses are held from time to time, usually in July and Aug. These are either short courses for special groups, or refresher courses for teachers of experience, which are suitable also as an introduction to the more general study of educational questions and are open without restriction to both men and women.

SCHOLARSHIPS AND FELLOWSHIPS. College Entrance scholarships are very numerous and valuable. The Univ. scholarships and fellowships are usually open only to members of specified standing. Of those open to graduates, 16, of the aggregate value of £1130 p.a., are for Engl., Greek, and Latin; 1 (£100) is for Ment. and Mor. Philos.; 2 (£80) for Maths.; 8 (£1340) for Med. and Nat. Science; 4 (£440) for Law; 3 (£300) for Theol.; 13 (£760) for Oriental Studies. The Univ. offers a number of *Research Scholarships and Studentships*, e.g. a Biological scholarship (annually, £200 for 1 yr.) tenable at the Zoological Institute, Naples; the George Webb Medley Scholarships (2 annually, £80 to £300 p.a. for 2 yrs., renewable for not more than 3 yrs.), for Economics and Polit. Sci.; the Scott Scholarships (2 annually, c. £95 for 2 yrs.), "for the furtherance of physical science"; the Beit Senior Research Scholarship (on terms decided by the Administrator of the Beit Fund, up to £250 in any yr.) for Colonial History; the Henry Francis Pelham Studentship (biennially £100 or less for 1 yr.), tenable at the British School of Archæology at Rome; a Research Studentship (occasionally for 1 yr.), for Greek Lit; the Bryce Research Studentship (annually, £240 for 1 yr.), for History.

There are also *Travelling Scholarships and Studentships*, e.g. the Derby Scholarship, for classical scholarship (incl. palæography and philos.), offered annually (£200-£300 for 2 yrs., of which at least 8 months must be spent abroad); the Heath Harrison Travelling Scholarships (13 annually, £75 usually for 1 yr.), for study of a modern lang. abroad; the Zaharoff Travelling Scholarships (1 or more annually, £150 for 1 yr.), for promotion of French studies; the de Osma Studentship (annually, the net income from £2110-odd Funding 4 per cent. Stock), for not less than 6 weeks' study at the Instituto de Valencia de Don Juan, Madrid; the George Herbert Hunt Travelling Scholarship (every other yr., c. £100), for Medicine.

The Colls. have power to elect persons distinguished in Science or Literature to Senior Research Fellowships on condition of prosecuting some definite work; they have also power to elect from time to time Junior Research Fellows for limited periods, usually after examn.

There are certain funds, such as the Craven and Ireland, from which grants for the furtherance of particular studies may be made.

The Rhodes Scholarships were founded in 1902 under the will of the late Cecil John Rhodes. The value of each is £400 a yr., with, at present, a special supplement of £100. The Scholarship is tenable at the Univ. of Oxford, and may be held for 3 yrs. Appointments are made for 2 yrs. in the first instance, and a Scholar wishing to remain for a third year must present a definite plan of study for that period satisfactory to his College and to the Rhodes Trustees.

Rhodes Scholars may, if the conditions are approved by their own College and by the Rhodes Trustees on the recommendation of the Oxford Secretary to the Rhodes Trustees, either postpone their third year, returning after a period of work in their own countries, or spend their third year in postgraduate work at a Univ. of Gt. Britain, and in special cases at a Univ. on the continent of Europe, in the overseas Dominions, or in the United States, but not in the country of their origin. The conditions of the competition in each country or community are fixed from time to time by the Trustees.

In his will, Mr. Rhodes expressed the wish that "in the election of a student to a Scholarship, regard shall be had to (1) his literary and scholastic attainments; (2) his fondness for and success in mainly outdoor sports, such as cricket, football, and the like; (3) his qualities of manhood, truth, courage, devotion to duty, sympathy for and protection of the weak, kindness, unselfishness, and fellowship; and (4) his exhibition during school-days of moral force of character, and of instincts to lead and to take an interest in his school-mates."

The Dominions and Colonies. An annual Scholarship is assigned to each Province* of the Dominion of Canada; to each State of the Australian Commonwealth; to the Dominion of New Zealand (2); in South Africa to the Province of Natal, the Transvaal, the Orange Free State, the Cape Province, the S.A. College School in Cape Town, the Diocesan College School of Rondebosch, the Boys' High School, Stellenbosch, and the St. Andrew's College School at Grahamstown, in alternate years to the Eastern Province, and not more than three annually to Rhodesia. The Colonies of Jamaica, Newfoundland, Bermuda, and Malta have each an annual Scholarship. A Scholarship is allotted to East Africa once in 3 yrs. There are at present two annual Scholps. for India.

In founding these Scholarships, Mr. Rhodes stated that he did so because he believed that the education of young Colonists at one of our residential universities would "broaden their view," "instruct them in life and manners," and "instill into their minds the advantage to the Colonies as well as to the United Kingdom of the retention of the unity of the Empire."

United States of America. 4 Scholarships are assigned annually to each of 8 regions, and are awarded among candidates sent forward from each State, of which there are 6, in the region. The reason given by Mr. Rhodes for founding the American Scholarships is his "desire to encourage and foster an appreciation of the advantages which I implicitly believe will result from the union of the English-speaking people throughout the world, and to encourage in the students from the U.S. . . . an attachment to the country from which they have sprung, but without I hope withdrawing them or their sympathies from the land of their adoption and birth." *The American Oxonian*, the official magazine of the Alumni Assocn. of American Rhodes Scholars, is published quarterly by George E. Barnes, 6376 City Line Avenue, Philadelphia.

Number actually in residence, 1946-47, 154 (140 from the Brit. Empire and 14 from the U.S.A.)—Studying Law, 35; Nat. Sc. and Med., 55; History, 6; Econs. (Dipl., etc.), 6; Lit. Hum., 8; Eng., 6; Phil., Pol. and Econs., 23; Theology, 2; Maths., 2; Mod. Langs., 2; Geog., 2; Agric., 3; Forestry, 3; Music, 1.

General. Candidates must be between 19 and 25 years of age and unmarried. They must be citizens of the country from which they come—usually with 5 yrs.' domicile; and must have at least 2 yrs.' standing at a regular degree-granting College or Univ., except in a few special cases. Special conditions apply, for the present, to ex-service candidates. Detailed information for each country may be obtained from the offices of the Rhodes Trust, 36 Beaumont Street, Oxford.

Secretary to the Rhodes Trustees—The Lord Elton [36 Beaumont Street, Oxford]. *Local Secretaries: Oxford*—Sec. to the Rhodes Trustees and Warden of Rhodes House, C. K. Allen, M.C., K.C., D.C.L., Rhodes House, Oxford; *U.S.A.*—Dr. Frank Aydelotte, Institute for Advanced Study, Princeton, N.J.; *Canada*—The Hon. D. R. Michener, K.C., 5 Rosedale Road, Toronto 5;

* Two each to Quebec and Ontario.

Australia—J. C. V. Behan, LL.D., Silvermist, Olinda, Victoria; *S. Africa*—A. H. Gie, Permanent Buildings, 8 Darling Street, Cape Town.

THE APPOINTMENTS COMMITTEE deals with appointments of all kinds. It has representatives and correspondents in all Colls. and co-opted members from Industry, etc. Sec., C. E. Escriott, M.A. Keb. Ednl. Sec., A. R. Woolley, M.A.; Asst. Sec., J. B. Cartland, M.A.; Tech. Sec., F. B. Hunt, M.A. Worc., 41 St. Giles'. Telegrams—Appointments, Oxford. Telephone—3225.

1947, 438 permanent appointments, including: Government, 20; Education, 242; Commerce and Industry, 149; Journalistic, Secretarial, etc., 27; Temporary, 106.

WOMEN'S APPOINTMENTS COMMITTEE. Sec., Miss D. M. Fone, M.A., 41 St. Giles', Oxford. Telephone—2104. Hours, 9-5, Sats. 9-12.

THE BODLEIAN LIBRARY, founded by Sir Thomas Bodley in 1602, which is also the general library of the Univ., contains over 1,500,000 printed books and 40,000 MSS. Persons, other than members of the Univ., are admitted on presenting a recommendation from someone in a responsible position in Oxford or elsewhere, knowing the applicant personally. The *Readers' Manual* (obtainable from the Librarian) contains full information about the contents and catalogues of the Library; the *Visitors' Guide* (on sale at the Library, 4d.) gives a short history and a list of the chief exhibits. The chief books relating to it are: Macray, W. D., *Annals* (Clar. Press, 1890, 25s.); Clark, A., *Guide for Visitors* (Clar. Press, 1906, o.p.); Gibson, S., *Some Oxford Libraries* (Clar. Press, 1914, 5s.); Madan, F., *The Bodleian Library* (London, Duckworth, 1919, 2s. 6d.); *The Bodleian Library Record* (1s. per number, obtainable from the Libn.).

There are the following dependent libraries of the Bodleian:

The Radcliffe Science Library at the Univ. Museum, about 200,000 vols., consisting of books and periodicals on Mathematics, Natural Science and Medicine.

The Indian Institute Library, devoted to Oriental studies. There is also in the Indian Institute a museum illustrating Indian antiquities and Indian life.

Rhodes House Library (history of the British Empire and the U.S.A.).

THE TAYLORIAN LIBRARY (Modern Languages and Literature), 120,000 vols., comprises the chief philological, literary, and historical works of the principal European languages and nearly all respective Reviews, Literary periodicals, and publications of Continental Societies of importance.

COLLEGE LIBRARIES. Modern History and Law, at All Souls (The Codrington Library); Political Economy and Science, also at All Souls (The Brand Library). Other important collections include Russian and Slavonic books, at Queen's; History and Literature MSS. of 17th cent., at Worcester; Music and Early Scandinavian collections, at Christ Church. The MSS. in the College Libraries are described in Cox's Catalogue, published at the Clarendon Press, 1852.

There are also: the Nettlefield Library, Woodstock Road (Librarian—Miss M. C. Draper); the English Library (Examination Schools) (Librarian—Miss E. G. W. Mackenzie, B.A. L.M.H.); a Geographical Library (c. 14,000 vols. excluding periodicals) and Maps (c. 17,000) at the School of Geography, Mansfield Rd. (Librarian—A. F. Martin, M.A. St. Joh.); and Social Studies Library at Barnett House.

MUSEUMS. *The University Museum* includes collections and laboratories with the following depts.: Med. and Public Health, Human Anat., Pathol., Pharmacol., Chem. (Dyson Perrins Lab., Physical Chem. and Inorganic Chem. Labs.), Geol. and Palæontol., Mineral., Engin. Science, Physics, Physiol., Bio-

chem., Zool. and Comparative Anat., Zool. (Lepidoptera collection illustrating mimicry, etc.), Experimental Philos.

The Ashmolean Museum (Keeper—K. T. Parker, M.A. Or.) contains, in addition to a Library of Art and Archaeology, the Parian and other marbles, Egyptian and Oriental, Classical, Prehistoric, Anglo-Saxon, and local antiquities, 60,000 coins and medals (published catalogue of Mohammedan coins), and a special collection of Drawings and Engravings by Ruskin.

The Museum of the History of Science (Curator—F. Sherwood Taylor, M.A. Linc.) in the Old Ashmolean building illustrates the history of scientific studies, especially in Oxford, by contemporary instruments, engravings and books.

The Pitt Rivers Museum (Curator—T. K. Penniman, M.A. Trin.) has an anthropological collection illustrating the evolutionary history of material arts.

LABORATORIES: Electrical; Clarendon (Physics); Chemistry, Organic, Physical and Inorganic—Jes. has an inorganic chemistry laboratory of its own; Physiology; Biochemistry; Zoology; Entomology, with extensive Collections and Library; Botany (Garden with Collections and Library); Geology (special equipment for study of fossils by serial sections); Mineralogy; Crystallography; Engineering; Forestry (expl. plantations and forest garden); Human Anatomy; Pathology and Bacteriology; one *Observatory*.

THE DEPARTMENT OF FORESTRY (Imperial Forestry Institute)—Professor H. G. Champion, M.A. St. Joh.—trains students for the B.A. Honours degree and the postgraduate Diploma and also those selected for Colonial Forest Service Scholarships; it provides refresher courses for forest officers of the Empire and others, undertakes the structural examination and identification of woods and the identification of trees, and carries out research on biological and economic problems bearing on forestry. The Department is financed jointly by the University, the Colonial Governments, the Forestry Commission, India, Burma and other smaller contributors.

THE DEPARTMENT OF AGRICULTURE. Prof. G. E. Blackman, M.A. St. Joh., is responsible for the teaching of agriculture for the Honour School. Such teaching is undertaken in collaboration with the *Agricultural Economics Research Institute*—Director, A. W. Ashby, M.A. Linc. The Institute runs a postgrad. 1-yr. course for the Dipl. in Agric. Economics. Both Depts. are actively engaged in research in the fields of experimental agronomy and agricultural economics.

THE NUFFIELD INSTITUTE FOR MEDICAL RESEARCH, founded 1935. Director—G. S. Dawes, D.M., B.Sc. Worc. The Institute is housed in the old Radcliffe Observatory which, with its surrounding grounds, was purchased by Lord Nuffield from the Radcliffe Trustees and presented to the Univ. to be converted for its present purpose. The Board of the Faculty of Medicine is required to make provision in the Institute for the study of clinical, physiological, pharmacological and anatomical problems by means of radiological and allied techniques including X-ray Cinematography for so long as it may think desirable, and for such other subjects of study as it may from time to time determine.

THE OXFORD UNIVERSITY INSTITUTE OF STATISTICS, founded 1935, is a centre for statistical research in economics and social studies and for the teaching of statistical methods. It publishes a monthly bulletin and occasional monographs. The Institute possesses calculating machines and a library of 20,000 vols. on economics and statistics, which is available to members of the Univ. Director—D. G. Champernowne, M.A.; Deputy Director—F. A. Burchardt, M.A. All S. Address: 91 Banbury Road, Oxford.

UNIVERSITY OF OXFORD INSTITUTE OF EXPERIMENTAL PSYCHOLOGY, 34 Banbury Rd., founded 1936. Director—Prof. G. Humphrey, M.A. Magd.; Asst. Director—O. L. Zangwill, M.A., New Coll.; Lectr. in Theoretical Psychol.—R. C. Oldfield, M.A.; Lectr. in Experimental Psychol.—B. Babington Smith, M.A.

EDWARD GREY INSTITUTE OF FIELD ORNITHOLOGY, established by Statute, 1938. At present housed at 91 Banbury Rd., Oxford. Its function is to carry out research on the numbers, distribution, movements, habits and economic status of British birds; to collect, coordinate and supply information on these subjects obtained from published sources and field observers, and to publish the results of its work. Director—D. Lack, M.A. Magd.

INSTITUTE OF SOCIAL MEDICINE, established by resolution of the Nuffield Provincial Hospitals Trust on 15 July 1942 for 10 yrs. in first instance. Housed in 10 Parks Rd., Oxford. Its main purpose is to investigate the influence of social, genetic, environmental and domestic factors on the incidence of human disease and disability. Director—Prof. J. A. Ryle, M.A., M.D., F.R.C.P.

SOCIETIES APPROVED FOR HIGHER STUDY AT OXFORD. The following have been approved as Societies for higher study at Oxford, the members of which may have their names entered in the Univ. Register of Diploma students although they are not members of the Univ.:

UNIVERSITY DELEGACY FOR SOCIAL TRAINING. Courses of training in preparation for the Univ. Diplomas in Public and Social Administration and in Economics and Political Science and for the Univ. Certifs. in Public Administration and in Social Training are provided for graduates and for other qualified students. The cost is at the rate of £12:10s. a term. Further particulars from the Secretary to the Delegacy, Barnett House, Oxford.

Catholic Workers' College (1921).

Subject to accommodation being available, any adult working-class student is admitted provided that the fees are guaranteed, the College regulations accepted and references supplied in proof of good character. The Principal must also be satisfied of the candidate's aptitude as a student. Period of residence, 1 or 2 yrs. Fee, £125 p.a., covering board, lodging, lectures and tuition. Particulars of available scholarships may be obtained on application to the Principal.

Ruskin College, Walton St. (1899). Principal—H. L. Elvin, M.A. Camb.

A residential college for Adult Education, open on equal terms to men and women students. Foreign students must produce evidence of sufficient knowledge of English to enable them to follow the courses. Fee, £125 p.a., covering board, residence and tuition. A list of scholarships available will be supplied on application to the Secretary.

THE OXFORD AND CAMBRIDGE SCHOOLS EXAMN. BOARD, established 1873, examines or inspects and reports on the work of schools which provide education of the highest grade. It also holds yearly examns. and awards certificates—Higher and School—which exempt the holder, under certain conditions, from Responsions and the Previous Examination, the Matric. examns. of London and other Univs., and the Preliminary examns. of various professional bodies, etc. The Regulations of the Board are published by the Ox. and Camb. Univ. Presses (post free 1s. 6d.). Secretaries: at Oxford—G. J. R. Potter, M.A., 74 High Street; at Cambridge—A. E. E. McKenzie, M.A., 10 Trumpington Street.

LOCAL EXAMINATIONS are held in July and Dec. at centres in Great Britain and Northern Ireland, in Malta and at a few other overseas centres. Successful

candidates in the School Certif. are on certain conditions exempted from Responsions, the Cambridge Previous, and various matricn. examns. Successful candidates in the Higher School Certif. Examn. are, on certain conditions, exempted from various Univ. Intermediate Examns. State Scholps. and Major Scholps. of certain Local Education Authorities are awarded on the results of the Higher School Certif. Examn. The Regulations may be obtained from the Secretary of Local Examinations, 12 Merton Street. All the examns. are open to persons of both sexes. There is no age limit and candidates need not be in attendance at any educational institution. The Higher School Certif. Examn. is held in July only.

In December 1946 the School Certif. Examn. was held at 254 Centres (of which 3 were overseas). The total number of candidates was 3820.

In July 1947 the Higher School Certif. Examn. was held at 261 Centres, and the School Certif. Examn. at 593 Centres (of which 7 were overseas). The total number of candidates was 21,115, viz. Higher School Certif., 2055; School Certif., 19,060.

EXTRA-MURAL STUDIES. This Delegacy is concerned to promote on behalf of the University the liberal education of adults who are not members of the University. Its work takes the form of classes and courses, arranged in the main in the counties of Oxon, Berks and Bucks, North Staffs, Kent and East Sussex and Lincoln, and of residential courses in Oxford. It co-operates closely with L.E.A.'s, with the W.E.A., and with other voluntary bodies in the aforesaid regions. The Delegacy may recommend the admission of adult students to the University without the necessity of passing Responsions. The Secretary to the Delegacy is Mr. T. L. Hodgkin, M.A. The work is carried on through:

(1) The Tutorial Classes Committee, responsible for the provision of Three-Year Tutorial and One-Year Preparatory Tutorial Classes. The classes meet once a week for 2 hours from September to April. Students pledge themselves to continue for the duration of the course, and undertake reading and written work under the guidance of Univ. tutors. The Committee also conducts an annual Summer School. The Organizing Secretary is Mr. H. P. Smith.

(2) The University Extension Lectures Committee, responsible for the provision of University Extension Courses, held weekly or fortnightly, consisting usually of from 6 to 24 meetings, conducted by lecturers approved by the Committee. The Committee is also responsible for the provision of vacation courses, including courses for students from overseas. The Supervisor of Studies is Mrs. Jennifer Hart, M.A.

The offices of the Delegacy and its Committees are at Rewley House, Wellington Square, Oxford.

EXPENSES. "It is not possible to make any general estimate of the cost of a University course, which varies with different Societies and depends upon the student's own means and tastes. It must suffice here to enumerate certain items common to all undergraduates, and to recommend persons anxious for further details to consult the authorities of the Society which they wish to join."

Extract from *General Information* pamphlet mentioned in following paragraph. The items specified are:—I. *Payments on Commencing Residence: University*—Matricn. fee, £6. *College*—(1) Admission fee, usually £5, but sometimes considerably more. (2) Caution money (returned when name is removed from the books, and often in part on taking a degree). Varies for Commoners from £30 to £10. Scholars are sometimes excused altogether. II. *Payments during Residence: University*—(1) Dues, £6 p.a. paid terminally. (2) Examn. fees, about £9 in all for the B.A. course, exclusive of Responsions. (3) Degree fees, B.A., B.Litt., or B.Sc. degrees, £7: 10s. *College*—(1) Tuition

fee, usually £45 p.a. : it is increased for students who read science or require extra tuition. (2) Coll. dues vary; say £6:6s. p.a. (3) Subscription to Clubs vary; say £6:6s. p.a. (4) The method of reckoning fees and charges varies. In some colls. there is an inclusive charge of £60 to £65 per term. This charge covers items (1) and (2), board (breakfast, lunch, dinner), lodging, service, fuel and lighting (but not personal laundry). Some Colls. scale the charge according to the rooms occupied; some make other minor adjustments. In other Colls. the main items are included in a terminal composite fee of about £56 per term, the remaining items being charged separately. Either system leads to a total Coll. bill of between £60 and £70 per term. (5) Degree fees, which vary between £5 and £1.

The scale of charges is under consideration in many Colls. and may be adjusted to meet any considerable changes in maintenance and service costs.

The necessary expenses of a student of St. Catherine's Soc. have been estimated (in 1947) at about £170-£180 p.a. for board, lodging, fees and subscriptions. Any increase in the general cost of living is liable to be reflected in the cost of board.

PUBLICATIONS. *Calendar* (Jan.), 15s. net (includes lists of University officers, boards and committees; professors, readers, lecturers and demonstrators; institutions; fellowships, scholarships and prizes; and information relating to matriculation, fees and conditions required for degrees; it also includes the Honours Lists from 1940). Honours, 1901-1930, are given in the *Supplement to the Historical Register*, 7s. 6d. net, together with much other historical information. Honours to 1900 are in the *Historical Register*, which is now out of print. *Handbook to the University of Oxford*: (i) a general section on history, constitution and government, the tutorial system, life in college (and its cost), etc.; (ii) a statistical section on degree courses and the like; *Responsions* Pamphlet (June), 6d. net, by post 7d. (Regns. with dates of examns. and general information); *General Information* (admission, residence, entrance scholarships, examns. for B.A., etc.), 7d. post free; *Statuta* (Oct.), 10s. net; *Examn. Statutes* (Sept.), 3s. 6d. net (post, 4s.); *Pocket Diary* for academic year (Oct.), 4s. net (by post 3d. extra); *Resident Members*, with their addresses, 5s. net (term), by post 5s. 3d.; *Oxford and Cambridge Schools Examn. Board*, Annual Report (1s. net, by post 1s. 3d.); Regulations, 1s. 3d. net each (post 1s. 6d. each), Lists of Successful Candidates, and Papers of the School Certificate Examinations. All the above are obtainable from the Oxford University Press, Press Road, Neasden, London, N.W.10, as is likewise the official *University Gazette* (annual subscription, 10s. 6d. post free) and the *Oxford University Press General Catalogue*. Unofficial periodicals: *Oxford Magazine* (during term), 6d.; *Oxford* (periodically), 1s. 6d. net; *Isis* (during term), 3d.; *Cherwell* (during term), 6d. Among other sources of information regarding the University the following may be cited: Wood (A.), *Hist. of the Univ. of Oxford*, 3 vols., 1792-96; Wood (A.), *Athenæ Oxon. (with Fasti)*, ed. by P. Bliss, 4 vols., 1813-1820; Maxwell-Lyte (H. C.), *Hist. of the Univ. of Oxford to 1530*, 1886; Foster (J.), *Alumni Oxon., 1550-1886*, 8 vols., 1887-92; *The Colleges of Oxford*, ed. by A. Clark, 1891; *College Histories*, published by F. E. Robinson & Co.; Headlam (C.), *The Story of Oxford*, 1907 (7s. 6d. net); Mallet (Sir C.), *Hist. of the Univ. of Oxford*, 2 vols., 1924 (£2:2s. net); Barnard (F. P.) and Shepard (T.), *Arms and Blazons of the Colleges of Oxford* (5s. net); Fletcher (C. R. L.), *Handy Guide to Oxford* (2s. net); *The Government of Oxford*, 1931; Marriott (Sir John A. R.), *Oxford, its Place in National History*, 1933; Buxton (L. H. D.) and Gibson (S.), *Oxford University Ceremonies*, 1935.

THE YEAR 1946-47

BENEFACTIONS. Friends of the late Laurence Binyon endowed a fund for the maintenance of a Laurence Binyon Prize under the management of the Committee for the Fine Arts to enable the prize-winner to travel abroad to extend his knowledge and appreciation of the visual arts. Dr. E. Ruffini gave £1000 for a travelling scholarship in Italy to be known as the Luca Ruffini Scholarship in memory of his son. Mr. and Mrs. H. N. Spalding gave (a) £12,000 for the purchase of books for the devastated Universities of Europe; (b) £5000 for the purchase of books for the devastated Universities of Asia.

The following benefactions were made to the Ashmolean Museum: (a) Anon. gift of £500 to augment the collection of coins; (b) £500 from Trustees of *Seven Pillars of Wisdom* towards the purchase of the Oman Collection of Greek Coins; (c) bequest from the late Dr. A. T. Carter of his collection of silver plate of the seventeenth and eighteenth centuries; (d) bequest from the late J. Francis Mallett of miscellaneous works of art including oriental ceramics, mediæval ivories, Limoges enamels, watches, majolica, bronzes, etc.

A bequest from the late Samuel Henshaw, United States citizen, of the residue of his estate was received for the benefit of the Bodleian Library.

The Rockefeller Foundation made the following grants: (a) £4000 for 10 yrs. to Nuffield Coll. for the endowment of Research Fellowships; (b) \$15,000 for research on antibiotic substances in the Sir William Dunn School of Pathol.; (c) renewal of grant for researches of Mrs. Hodgkin on X-ray analysis of large molecules; (d) grant not exceeding \$7500 for visit to the United States and Canada by the Reader in the Comparative Study of Institutions.

The Nuffield Foundation made a grant of £50,000 spread over 10 yrs. for the capital and maintenance costs of a Hematological Research Unit.

The following bequests and grants were made to Scientific Depts.: (a) to the *Clarendon Laboratory*, (i) £80,000 from the Dept. of Scientific and Industrial Research for three yrs. for research on nuclear gamma rays; (ii) grant of £650 p.a. from the Ministry of Supply for secretarial and administrative expenses; (b) *Physical Chemistry Laboratory*, renewal of grant from the Institute of Petroleum for providing apparatus and assistants in connexion with hydrocarbon research; (c) *Dyson Perrins Laboratory*, £850 from the British Empire Cancer Campaign for chemical researches on carcinogenic hydrocarbons, œstrogenic agents and a differential growth inhibitor; (d) *Inst. of Experimental Psychology*, £2150 from the Horlicks Foundation for research on inhibition in relation to sleep; (e) *Dept. of Engineering Science*, bequest from the late Prof. E. G. Coker of his largest and most valuable Nicol's prism for use by the Prof. of Engineering Science and his successors for research in the Engineering Science Lab.; (f) *Dept. of Entomology*, bequest from the late Brig.-Gen. B. H. Cooke of his collection of lepidoptera for inclusion in the Hope Collection of Arthropoda; (g) *Dept. of Mineralogy*, bequest from the late Charles Judson of all his scientific books, apparatus and instruments; (h) *Dept. of Zoology and Comparative Anatomy*, £1836 from the Agricultural Research Council for research into the aerial distribution of insects.

The following gift and bequest were received for the benefit of Women Students: (a) Anon. gift of £300 to be used by the Delegates of St. Anne's Society at their discretion for the encouragement of economic studies; (b) bequest of £50 from the late Miss Adelaide Temple Stratford to be used towards the educational advancement of a woman member of the Univ.

Dr. C. S. Orwin gave his collection of late eighteenth- and early nineteenth-century prints and pictures for exhibition in the Institute for Research in Agricultural Economics.

NEW POSTS. Professorship of Modern History. Readership in Jewish Studies. Professorship of Psychology.

NEW DEPARTMENT. Department of Zoological Field Studies.

LEGISLATION. The following Statutes concerning Professorships, Readerships, and Lecturerships have been approved by Congregation during the academic year 1946-47: (a) the title of the Chichele Professorship of International Law and Diplomacy has been altered to Chichele Professorship of Public International Law; (b) the times for the delivery of lectures by the All Souls Lectr. in Private Internat. Law have been made more flexible; (c) the Prof. of European Archæol. has been made eligible for official membership of the Board of the Fac. of Anthropol. and Geog.; (d) a Readership in Jewish Studies, the permanent endowment of which by Mr. Harry Sacher and his friends, was recorded in the 1947 *Yearbook*, has been established; (e) the stipend of the Cowley Lectr. in Post-Biblical Hebrew has been increased and a normal Board of Electors established; (f) certain drafting alterations have been made in Statt. Tit. IV, Sect. I, and the Nuffield Professorships of Clinical Medicine, Surgery, Obstetrics, Gynæcol., Anæsthetics, and Orthopædic Surgery, previously established only by Decree, have been established by Statute; (g) a third Professorship in Modern Hist. and a new Professorship of Psychol. have been established by Statute, and Dean Ireland's Professorship of Exegesis has been made a Schedule A Professor at a stipend of £1450, elected by an ordinary Board of seven electors instead of by the Heads of Houses; (h) the May Readership in Medicine has been made statutory; (i) the salaries of certain Profs. and Univ. officials have been increased by Statute; Schedule A Professors now receiving £1450 instead of £1200. The payment of Children's allowances of £50 p.a., for each dependent child to members of the F.S.S.U. has also been confirmed by Statute; (j) a Statute has been passed systematizing the jurisdiction of the Visitation Board and the General Board over Readers, Lectrs. and Demrs.; (k) various Statutes have been passed concerning the scales and grades of Readers, Senior Lectrs., Univ. Demrs., and Lectrs., the reorganization of Univ. teaching posts having been undertaken in conjunction with the revision of salaries.

A permanent Institute of Statistics has been established by Statute.

The following Statutes concerning examns. and fees have been approved: (a) the Term in which the D.Mus. Examn. is held has been altered from Michaelmas to Trinity; (b) the Board of the Faculty of Music has been given power to make regns. concerning the type and content of the musical examn. for the D.Mus. degree; (c) Chemistry in Natural Science Hon. Moderations has been added to the list of examns. in Physics which are approved for the purposes of admission to Animal Physiol. in the Final Honour School of Natural Science; (d) a new Honour School of Psychol., Philos. and Physiol. has been established; (e) the B.Phil. degree has been established; (f) a new Preliminary Examn. in Mod. Langs. has been established, and the old Prelim. Examn. for Agriculture and Geog. has been changed to a Prelim. Examn. for Geog.; (g) the Regns. for Law Moderations and the Final Honour School of Jurisprudence have been remodelled; (h) a Diploma in Agricultural Economics has been substituted for a Diploma in Agriculture and the Certificate in Estate Management has been abolished; (i) the fees payable for admission to higher degrees have been made uniform, and the payments to supervisors and examiners for research degrees and Judges for higher degrees have been increased; (j) the matriculation fee has been increased from £5 to £6, but the fee of £1 for registering exemptions from Responsions has been abolished, thus reducing the number of occasions on which Univ. fees have to be collected; (k) candidates who have

obtained 2nd class hon. in Theol. are now exempted from the B.D. Qualifying Exams.; (1) Astronomy has been removed from the list of subjects in the Final Honour School of Natural Science, and made a subject in Natural Science Hon. Moderations.

Two Statutes concerning *Nuffield College* have been approved: (a) empowering the Hebdomadal Council to delegate the appointment of Fellows of Nuffield Coll. to a committee appointed under the provisions of Statt. Tit. XX, Sect. XVII; (b) authorizing the appointment of Research Fellows *extra numerum* at Nuffield Coll., the conditions of tenure and stipend being determined by the Hebdomadal Council.

A Statute has been passed to bring the *Nuffield Institute for Medical Research* more closely into the Scheme for developing the Medical School, by transferring the supervision of the Institute to the Board of the Faculty of Medicine, setting up an electoral Board to appoint the Director, fixing his stipend at that of a Schedule A Professor and redefining the scope of the work of the Institute.

A *Department of Zoological Field Studies* under the direction of the Linacre Professor of Zoology and Comparative Anatomy, or a deputy appointed by him, has been established. This Department incorporates the Bureau of Animal Population, which has carried out pioneer work in developing mammalian ecology and population studies, and the Edward Grey Institute of Field Ornithology, the first University centre devoted to the study of birds in nature; but both will retain a separate identity and Director.

The following Statutes on *miscellaneous subjects* have been approved: (a) the emoluments which may be given to a Craven Fellow have been increased by £100 in cases of need and the period of residence abroad which Fellows are required to undertake has been reduced; (b) the Institute for Research in Agricultural Economics has been added to the Schedule of Science Depts. which are allowed to charge composition fees; (c) the conditions governing the admission of students by the Delegates for the Dept. of Education have been amended; (d) Advanced Students who are graduates of other Univs. are now allowed to reside at Lady Margaret Hall, Somerville, St. Hugh's and St. Hilda's in excess of the statutory maximum; (e) smoking is now allowed in certain staff quarters in the Bodleian Library.

HONORARY DEGREES. *D.C.L.*—Rt. Hon. Field Marshal Earl Wavell; Rt. Hon. Lord Goddard; Rt. Hon. Lord Oaksey; Admiral Lord Fraser of North Cape; General Sir William Slim; Air Chief Marshal Sir Keith Park. *D.Sc.*—Dr. Alfred Ernest Barclay; Jacques Tréfouel; Shack A. S. Krogh; Albert Szent Györgyi; Herbert Spencer Gasser; Bernardo Alberto Houssay; Charles Herbert Best; Harold Clayton Urey. *D.Litt.*—André Gide; François Mauriac. *M.A.*—A. E. Durham; Wing Commander D. W. Lynch-Staunton; D. G. Perry; J. H. Whitehouse.

Special Annual Lectures. The Herbert Spencer Lecture was delivered by Sir F. C. Bartlett (subject: "Thinking"); the Romanes Lecture by Rt. Hon. Viscount Samuel (subject: "Creative Man"); the Halley Lecture by Dr. Carl Störmer (subject: "Results of Photographic Measurements of Polar Aurora in Southern Norway since 1911, Statistics of the different Forms, from more than 10,000 Measurements" with Lantern Slides); the Sidney Ball Lecture by Sir Oliver Franks (subject: "The Experience of a University Teacher in the Civil Service"); the Tylor Lecture by Rev. H. J. Chaytor (subject: "The Provençal Chanson de Geste"); the Zaharoff Lecture by Professor Delattre (subject: "Ruskin et Bergson").

RETIREMENTS. Sir John Miles, Warden of Merton; Sir David Ross, Provost of Oriel; Sir Cyril Norwood, President of St. John's; Sir Henry

Tizard, President of Magdalen; Prof. J. A. Gunn, Prof. of Therapeutics, formerly of Pharmacology; Prof. J. L. Brierly, Chichele Prof. of International Law and Diplomacy; Prof. J. N. Mavrogordato, Bywater and Sotheby Prof. of Byzantine and Modern Greek; Prof. Sir Maurice Powicke, Regius Prof. of Mod. Hist.; H. M. Margoliouth, Secretary of Faculties; Prof. Ida Mann, Margaret Ogilvie's Reader in Ophthalmol.; Prof. W. W. Rostow, Harmsworth Prof. of American History; H. F. B. Brett-Smith, Goldsmiths' Reader in English; H. M. Lodge, Chief Accountant.

DEATHS. Rev. Dr. F. J. Lys; Marquess of Salisbury; Rt. Rev. Bishop Headlam; Rt. Rev. H. Whitehead; Rt. Rev. Bishop Hensley Henson; Rt. Rev. L. Owen, Bishop of Lincoln; Lord Russell of Killowen; Lord Tyrrell; Sir John Eldon Banks; Sir Cecil Clementi; Sir Geoffrey Callender; Dr. C. V. N. Hely-Hutchinson; Very Rev. J. L. Phillips; Rev. Dr. Kirsopp Lake; Sir John Fischer Williams; Dr. W. Ramsden; I. Deane Jones; H. B. Moore; Miss D. J. Lane Poole.

STUDENTS. Total: full time, 6680; research students: 540; preparing for first degree: 5843; others: 297. The total includes 2579 women; Matriculations: 1984.

DEGREES. B.D., 4; B.A., 1251; M.A., 1310; B.C.L., 13; D.C.L., 2; B.Sc., 25; D.Sc., 3; B.M., 61; D.M., 6; M.Ch., 1; B.Mus., 3; D.Mus., 2; D.Phil., 25; B.Litt., 22.

UNIVERSITY OF READING

Founded 1926

VISITOR—H.M. THE KING.

CHANCELLOR—The Rt. Hon THE VISCOUNT TEMPLEWOOD, P.C.,
G.C.S.I., G.B.E., C.M.G., D.C.L., LL.D., D.Litt.

VICE-CHANCELLOR—SIR FRANK M. STENTON, M.A. Ox., D.Litt. Ox.,
Litt.D. Camb, Manc. and Leeds, F.B.A., F.R.Hist.S

PRESIDENT OF THE COUNCIL—SIR GEORGE R. MOWBRAY, Bart., B.A. Ox.

TREASURER—SIR WILLIAM M. MOUNT, Bart.

REGISTRAR—E. SMITH, B.Litt. Ox., M.A., B.Sc. Liv.

LIBRARIAN—A. MARY KIRKUS, B.A. Lond., M.A.

BURSAR—E. H. CARPENTER

Telephone : Registrar—Reading 4422.

TEACHING STAFF

Agriculture, etc, v. infra
Art (School of Art)
Betts, J. A. Prof.

Lecturers
Pearce, C. C. (Design and Com-
position).
Carter, A. C., F.R.B.S. (Modelling
and Sculpture).
Finney, H. (Drawing and Paint-
ing)
Ormrod, F. (Design).
McCance, W. (Typog., etc.).

Sessional Lecturers
Clark, H. F. (Landscape Archit.).
Bayford, Valerie E. (Embroidery,
etc.).
Rowe, C. F., B.A. Liv (Archit.).
Stanfield, Marion W. (Sculpture).
1 Teacher (Woodwork Construc-
tion).

Biochemistry, v. Agr.
Botany, v also Agr
Harris, T. M., M.A., Ph.D Camb.,
B.Sc. Lond. Prof
Hora, F. B., B.A., D Phil. Ox.
Lectr.

Maxted, Mrs. Barbara, B.Sc.,
Ph.D. Lond. Lectr
Watson, E. V., B.Sc., Ph.D.
Edin Asst. Lectr.

Chemistry, v also Agr.
Guggenheim, E. A., M.A., Sc.D.
Camb., F.R.S. Prof.
Cheesman, G. H., B.Sc., Ph.D.
Lond., D.I.C., F.R.I.C. Lectr.
Maxted, D. R., B.Sc. Lond Lectr.
Holt, P. F., B.Sc., Ph.D Lond.
Lectr.
Halberstadt, E. S., B.Sc. Lond.
Asst. Lectr.

Classics
Cormack, J. M. R., B.A. Camb.,
M.A. Aberd. Prof.
Charlton, J. M. T., M.A. Manc.
Asst. Lectr.
Williams, R. D., B.A. Camb.
Lectr.

Heasman, Gwendolen M., B.A.
Camb. Asst. Lectr.
Ure, Mrs. Annie D., B.A. Lond
(Gr. Archæol.)
Hon. Research Fellow.

Dairying, v. infra

Education

- Barnard, H. C., M.A., B.Litt. Ox.,
M.A., D.Lit. Lond. Prof.
Armstrong, H., M.A. Lond., M.Sc.
Leeds, M.Ed. Durh. Lectr.
Campbell, Isabella E., M.A., B.Ed.
Edin., Ph.D. Lectr.
Kermode, Helen S., M.A. Liv.
Lectr.
Mallinson, V., M.A. Leeds Lectr.
Murray, Clara A., B.Sc. Lond.
Lectr.
Fleming, Mary A., B.A. Lectr.

English

- Dewar, R., M.A. Glas. Prof.
Gordon, D. J., M.A. Edin., Ph.D.
Camb. Lectr.
Young, Jean I., M.A., Ph.D. Camb.
Lectr.
Salu, Mary B., B.A. Durh.
Asst. Lectr.
Wain, J., B.A. Ox. Asst. Lectr.

French

- Desseignet, J., Ag. de l'U. Prof.
Lecturers
Allix, Georgette, Ag. de l'U.
Bowen, R., D. de l'U. Strasb., B.A.
Dale, Emily H., B.A., Ph.D.
Paton, Dorothea A., M.A. Ox.

Geography

- Miller, A. A., D.Sc. Lond. Prof.
Frood, A. M., M.A. Liv. Lectr.
Mogey, J. M., M.A. Belf Lectr.
Kenney, Mrs. Sheila F., M.A. Ox.
Asst. Lectr.

Geology

- Hawkins, H. L., D.Sc. Manc.,
F.R.S., F.G.S. Prof.
Walder, Phoebe S., B.Sc. Lond.
and Reading Lectr.
Hodson, F., F.G.S. Asst. Lectr.

German

- Edwards, O. H., M.A. Belf., Ph.D.
Bonn Lectr.
..... Asst. Lectr.

History, Modern

- Aspinall, A., M.A., D.Litt. Manc.,
F.R.Hist S. Prof.
Lecturers
Dodwell, Barbara, M.A. Lond.
Stenton, Mrs. Doris M., B.A. Lond.
Slade, C. F., B.A. Asst. Lectr.

Mathematics

- Neville, E. H., M.A. Camb., B.Sc.
Lond. Prof.
Lecturers
Rees, Mary R., M.Sc. Liv.
Ternouth, Elsie J., M.A. Glas.
White, P., M.A., Ph.D. Camb.

Music

- Lofthouse, C. Thornton, D.Mus.
Dub
Dir and Lectr.-in-charge.
7 Teachers.

Philosophy

- Hodges, H. A., M.A., D.Phil. Ox.
Prof.
Windross, Nona M., B.A. Ox.
Asst. Lectr.

Physics

- Ditchburn, R. W., B.Sc. Liv., M.A.,
Ph.D. Camb. Prof.
Pearson, R. L. Lectr.
Rymer, T. B., M.A. Camb., Ph.D.
Lond., F.Inst.P. Lectr.
Wills, M. S., M.A., B.Sc. Ox.
Lectr.
Heavens, O. S., B.Sc. Lond.
Asst. Lectr.

Political Economy

- Budden, E. S., M.A., D.Phil. Ox.
Lectr.
Rawson, June T., B.A.
Asst. Lectr.

Psychology

- Wolters, A. W. P., M.A. Lond.
Prof.
Vernon, Magdalen D., M.A. Camb.
Lectr.
Boenheim, C., M.D. Königsberg
(Psychiatry) Lectr.

Vet. Hygiene, v Agric.

Zoology

O'Donoghue, C. H., D.S. Lond.

Prof.

Eales, Nellie B., D.Sc. Lond. Lectr.

Crichton, M. I., B.Sc. Edin. Lectr.

Ford, A. T. G., B.Sc. Lond.

Asst. Lectr.

Stoneman, W. E., M.A. Camb.

Museum Asst.

White, Kathleen M., B.Sc., Ph.D.

Hon. Research Fellow.

Agriculture and Horticulture

Agriculture

Sanders, H. G., M.A., Ph.D. Camb.

Prof.

Black, D. J. G., B.Sc. (Agric.)

Edin.

Lectr.

Fieldsend, H. F., B.Sc. (Agric.)

Asst. Lectr.

Dominy, J. N. (Surveying and
Building Construction) Lectr.

Higgs, J. W. Y., B.A. Camb.
(Agricultural Machinery)

Lectr.

Fox, S., B.A. Camb.

Demr.

Agr. Bacteriology, v. also Dairy B.

Richards, T., B.Sc., Ph.D. Lond.

Lectr.

.....

Lectr.

Agr. Botany

Brierley, W. B., D.Sc. Manc.,

F.L.S.

Prof.

Erith, Adela G., B.Sc., Ph.D.

Lond.

Lectr.

Waldie, J. S. L., B.Sc. Edin. Lectr.

Snow, D., Ph.D. Glas., B.Sc.

(Agric.)

Lectr.

Sawyer, J. C., B.Sc. (Agric.)

Asst. Lectr.

Agricultural Chemistry

Tyler, C., B.Sc., Ph.D. Leeds Prof.

Grimbleby, F. H., B.Sc. Leeds

Ph.D.

Lectr.

Taylor, T. G., M.A. Camb. Lectr.

Tinsley, J., B.Sc. (Agric.), Ph.D.,

F.R.I.C.

Lectr.

Wild, A., B.Sc. Leeds Asst. Lectr.

Agric. Economics

Thomas, E., B.Litt. Ox., B.Sc.

Wales

Prof. and Provincial Agri-

cultural Economist.

Bisset, G. B., B.Sc. Aberd., M.Sc.

Cornell

Sr. Advisory Asst. to

Provincial Agricultural

Economist.

5 Research Assts.

Reid, Ian G., B.Sc. (Econ.) Lond.

Lectr.

Tuck, R. H., M.A. Ox

Asst. Lectr.

Biochemistry

Kay, H. D., C.B.E., Ph.D. Camb.,

D.Sc. Manc., F.R.S.

Research Prof.

Cod Liver Oil Standardization
(N.I.R.D.)

Kon, S. K., Ph.D. Warsaw, D.Sc.

2 Assts.

Dairy (N.I.R.D.)

Dearden, Dorothy V.

1 Asst.

Dairying

Crossley, E. L., B.Sc. Lond.,

F.R.I.C.

Prof.

Sheppard, Anne Lectr.

Cheke, Valerie E. Lectr.

Dairy Bacteriology (N.I.R.D.)

Mattick, A. T. R., B.Sc., Ph.D.

Lond.

Lectr.

Berridge, N. J., B.Sc., Ph.D.

Birm.

Rowlands, A., B.Sc. Wales, M.S.

Cornell.

Hiscock, Edith R., M.Sc. Lond.,

B.Sc. Bris.

- Nichols, Agnes A., Ph.D. Glas., M.S. Cornell, B.Sc. (Agric.).
 Shattock, Phyllis M. F., B.Sc. Edin., Ph.D.
 Neave, F. K., B.S.A. Tor.
 1 Adviser, 6 Assts.
Dairy Chemistry (N.I.R.D.)
 Blair, G. W. Scott, M.A. Ox., D.Sc., Ph.D. Lond., F.R.I.C., F.Inst.P.
 Caffyn, J. E., B.Sc.
 Aschaffenburg, R., Ph.D. Cologne.
 Rowland, S. J., B.Sc. (Agric.), Ph.D., F.R.I.C.
 Sutton, W. G., M.Sc. N.Z.
 Hon. Research Fellow.
 4 Assts.
Dairy Husbandry (N.I.R.D.)
 Foot, A. S., M.Sc.
 Blaxter, K. L., B.Sc. (Agric.), Ph.D.
 Braude, R., Ph.D.
 2 Assts.
Dairy Machinery (N.I.R.D.)
 Hall, H. S., B.Sc. (Agric.).
 Thiel, C. C., B.Sc. (Agric.) W. Aust., Ph.D.
Feeding and Metabolism
 Bartlett, S., M.C., B.Sc. (Dairying), Ph.D.
 2 Assts.
Horticulture
 Stoughton, R. H., D.Sc. Lond.
 Prof.
 Fraser, H. Lectr.
 University Extension
 4 Tutors.
 Hole, Doris R., B.Sc. Lond. Lectr.
 Barnwell, R., B.Sc. (Hortic.)
 Asst. Lectr.
 Webb, F. H.
 Manager and Instructor
 at Horticultural Station.
 Lloyd, J. R. Instructor.
Lactational Physiology (N.I.R.D.)
 Folley, S. J., D.Sc., Ph.D. Manc.
 Cowie, A. T., B.Sc. Edin.
 French, T. H., B.Sc. Lond.
 Greenbaum, A., B.Sc. Lond.
 1 Hon. Research Fellow, 4 Assts.
Nutrition (N.I.R.D.)
 Kon, S. K., Ph.D. Warsaw, D.Sc., F.R.I.C.
 Henry, Kathleen M., B.S. Lond. and N.U.I., Ph.D. Aberd.
 Thompson, S. Y., B.Sc. (Agric.), Ph.D.
 Kon, Mrs. Phyllis M., Ph.D.
 Hon. Research Asst.
 1 Hon. Research Fellow, 2 Assts.
Veterinary Hygiene
 Male, N. P., B.Sc. Edin., D.V.S.M.
 Lectr.
Veterinary Science
 Barron, N. S., B.Sc. Lond., Ph.D.
 Vet. Surgeon and Advisory Officer.

N.I.R.D. = National Institute for Research in Dairying, v. *infra*.

THE NATIONAL INSTITUTE FOR RESEARCH IN DAIRYING, Shinfield, near Reading, established by the Ministry of Agric. and Fisheries in 1912, forms part of the Univ. (Director—H. D. Kay, C.B.E., Ph.D. Camb., D.Sc. Manc.). It is governed by a Board consisting of representatives of the Ministries of Agric. and Health, R.A.S. of England, British Dairy Farmers' Assocn., Nat. Farmers' Union, etc. It has nine Depts.:—Dairy Chemistry, Dairy Bacteriology, Feeding and Metabolism, Dairy Husbandry, Nutrition, Lactational Physiology, Dairying, Dairy Machinery and Cod Liver Oil Standardization.

GENERAL INFORMATION

The University was established by Royal Charter, March 17, 1926. For early history, see *Yearbook* for 1929.

LIBRARY, 79,600 vols., including Overstone collection (7500 vols.) of books on Polit. Econ. (pubd. before 1850), English and French thought during eighteenth century, and topography (especially Northamptonshire); 21,000 pamphlets. 320 periodicals are received. **MUSEUMS**: Zool. and Hist. and Archæol. **LABORATORIES**: Bacteriol., Bot., Chem., Geol., Mech., Physics, Psych., Zool. Fine Art Studios. School of Music. Agricultural Machinery Hall. Two farms (359 and 400 acres) and Horticultural Station.

FACULTIES (1) Letters, (2) Science, (3) Agric. and Horticulture (associated with which is the National Inst. for Research in Dairying).

DEANS: (1) Prof. R. Dewar (Letters); (2) Prof. C. H. O'Donoghue (Science); (3) Prof. H. G. Sanders (Agriculture and Horticulture).

SCHOOLS: Art, Music.

ADMISSION. See Appendix I.

DEGREES. B.A., M.A., D.Litt.; B.Sc., M.Sc., D.Sc.; B.Sc. (Agric.), B.Sc. (Dairying), B.Sc. (Hortic.); Ph.D. The M.Sc. and D.Sc. are obtainable in the Faculty of Agriculture and Horticulture as well as in the Faculty of Science. The Senate may decline to admit to a degree course a person whose place of residence during term is at too great a distance from Reading, and the degree of Bachelor may not be granted to a candidate whose record as a student of the University is not deemed satisfactory.

The Charter provides that degrees representing proficiency in technical subjects shall not be conferred without proper security for testing the scientific or general knowledge underlying technical attainments.

An oral examination forms part of the Final examn. for a B.A. degree with honours, except in Mathematics, and, at the discretion of the Examiners, may form part of the First University Examn. in Arts or of the Final Examn. for a Pass B.A. degree, or of the Intermediate or Final Examn. for the B.Sc. In the Final Examn. for the B.Sc. candidates are examined upon either a general course of study (3 subjects) or a special course; honours can be obtained in either case. The Final Examn. (Special) is ordinarily taken after passing the Final Examn. (General). The course for the degree with honours extends over 4 years in Agriculture and in certain cases in Arts and in Science.

UNIVERSITY DIPLOMA COURSES are as follows: 2 yrs.—Dairying, Hortic. 3 yrs.—Fine Art, Landscape Architecture, and 1 yr. (post-grad.)—Agriculture, Agricultural Econ., Hortic., General Bacteriol., Education, Social Study.

TUTORIAL SUPERVISION. Every student following one of the organized day courses or a specially arranged day course involving frequent attendance at the Univ. for at least 2 terms is placed under the supervision of a tutor.

A **RESEARCH BOARD** promotes research and original work in the Univ. (apart from the National Institute for Research in Dairying). It administers funds entrusted to it for the purpose, and issues an annual record and report.

TERMS. 3, each of 10 weeks, the first beginning on the first Friday in October. Vacations of 4 weeks at Christmas and 5 weeks at Easter.

RESIDENCE. All students following full courses of day study, unless residing with parents or guardians, are ordinarily required to reside in a University Hall of Residence. There are two Halls for men, Wantage (Warden:

J. S. L. Waldie, B.Sc.), St. Patrick's (Warden: R. L. Pearson), and four for women, St. Andrew's (Warden: Ursula F. Martindale, M.A.), Wessex (Warden: Evelyn M. Wiseman, M.A.), St. George's (Warden: Isobel A. Turner, M.B.E., B.Sc.), Mansfield (Warden: Helen S. Kermode, M.A.). Full-time day students living in recognized houses, or at home in or near Reading, are associated in St. David's Hall, a non-residential club. For Expenses, *v. infra*.

SCHOLARSHIPS OPEN TO GRADUATES. Offered annually by the Univ.—Senior Scholps. of £100; "Ernest Ridley"—£50 plus tuition fees, for one year, renewable for a second year.

FEES. For Tuition: Ph.D. course—£10 or £15 p.a.; M.A. course—£10 p.a.; M.Sc. course—£15 p.a.; Bachelor's Degree course—Arts, £30 p.a.; Sc. or Agric. or Dairying or Hortic., £35 p.a.; Diploma course—Dairying, £35 for 1st. £41 for 2nd year; Landscape Archit., £30; General Bacteriol. (postgraduate), £35 p.a.; Agriculture (postgraduate), £35; Agric. Econ. (postgraduate), £35; Hortic. (postgraduate), £35; Fine Arts, £21 p.a.; Social Study (postgraduate), £30 p.a. Tuition fees are in most cases reduced by 25 per cent to students from neighbouring counties, under certain conditions.

EXPENSES. Total average necessary yearly expenses (excluding travelling, clothing, and personal laundry) about £145 p.a., namely: (i) Registration, matriculation, cap and gown, tuition, examination, and graduation, average £38 p.a. for a degree student; for diploma or certificate student somewhat less. (ii) Maintenance, including board and lodging in Halls or lodgings and sanatorium fee, maximum for 30 weeks about £102 for a man and £100 for a woman student. (iii) Personal, including subscription to Union (£4: 4s. p.a.), and cost of books and stationery, widely variable, say £7 p.a.

Courses of lectures open to the public are ordinarily charged for at 15s. per term (30s. per session) for each subject (one hour per week).

APPOINTMENTS. The Registrar.

STUDENT ORGANIZATIONS. Students' Union and Representative Council. An Old Students' Association meets annually at the Univ. at Whitsuntide.

UNIVERSITY EXTENSION, ETC. Agriculturists are helped by correspondence, visits, local lectures, examination of diseased plants, etc. Evening classes are held in Fine Art. Tutorial classes are held in connexion with the W.E.A.

PUBLICATIONS. *Calendar* (Sept.), 2s.; *University Gazette*; General Prospectus (including illustrations and plans); Departmental Prospectuses (Degree courses, Education, Agriculture, etc., Landscape Architecture, Fine Arts and Handicrafts, Music; Scholarships and Studentships).

THE YEAR 1946-47

BENEFACTIONS. The sum of £1000 free of duty bequeathed by Mr. A. G. West, former Vice-President of the Council of the Univ. £1000 free of duty bequeathed by the late Mrs. Kate G. Ayres of Reading. Thirty-five vols. for the Univ. Library and a collection of Egyptian curios from Mrs. Henrietta Lawes of Wokingham. A collection of books for St. Patrick's Hall Library from Sir Lyndon Macassey, K.B.E. £100 from the Friends of the University for the purchase of books for the Library of Mansfield Hall.

NEW DEVELOPMENTS. The University has acquired the freehold of the entire Whiteknights Park Estate, consisting of nearly 300 acres of parkland situated approximately one mile from Reading. It is proposed ultimately to transfer the entire University to the new site.

A decision has been taken to discontinue the 2-yr. courses leading to the Diploma in Agric. and the Diploma in Hortic. and no new entrants are being accepted for these courses after October 1947 and October 1948 respectively. One-year postgraduate Diplomas in Agricultural Econ. and in Hortic. have been instituted.

RETIREMENTS. Prof. H. A. D. Neville (Agric. Chem.); Mr. W. W. Hitchins, Independent Lectr. (in Bldg. Constr. and Surveying).

RESIGNATIONS. Mr. E. J. Dobson (English); Mr C. E. Elms (Agric. Machinery); Mr. D. J. Harrington (Research Asst., Hortic.); Miss Evelyn Matthews (German); Dr. A. K. Mills (Chem.); Mr. G. M. Part (Geol.); Mr. E. C. Ratcliff (Agric.); Mr. J. Rothwell (Dairying); Miss Dorothy E. Whiteley (Educn.).

DEATHS. The Rt. Hon. Sir Halford J. Mackinder, P.C., first Principal of the Univ. Coll., Reading; Sir John Catlow, representative of Middlesex County Council on the Council of the Univ.

HONORARY DEGREES. *D.Litt.*—Sir Edward Bridges, G.C.B., M.C.; the Dowager Marchioness of Reading, G.B.E.; the Rt. Hon. Baron Simonds, P.C. *D.Sc.*—General Sir Miles Dempsey, K.C.B., K.B.E., D.S.O., M.C.; the Most Hon. the Marquess of Linlithgow, K.G., K.T., P.C., G.C.S.I., G.C.I.E., O.B.E. *M.Sc.*—Mr. T. J. Gale (formerly Sessional Teacher of Appld. Mechanics and Machine Drawing for Evg. Classes); Mr. E. Rea (Provincial Director of the S.E. Prov. in the Nat. Agric. Advisory Service).

STUDENTS. Total: 1007; full-time: 934; part-time: 73; the total includes 466 women and 84 postgraduates.

DEGREES OBTAINED. B.A., 47; B.Sc., 29; B.Sc. (Agric.), 72; B.Sc. (Dairying), 15; B.Sc. (Horticulture), 8; M.A., 2; Ph.D., 2

THE UNIVERSITY OF SHEFFIELD

Founded 1905

VISITOR—H.M. THE KING.

CHANCELLOR—The Rt Hon THE EARL OF HALIFAX, K.G., P.C., O.M., G.C.S.I., G.C.I.E., LL.D.

PRO-CHANCELLORS—EDWARD BRAMLEY, M.A., LL.D., J.P.; Sir FRANCIS STEPHENSON, O.B.E., T.D., J.P.

VICE-CHANCELLOR—J. I. O. MASSON, M.B.E., D.Sc., LL.D., F.R.S.

PRO-VICE-CHANCELLOR—Professor L. E. S. EASTHAM, M.A., M.Sc.

TREASURER—GERARD YOUNG.

REGISTRAR—A. W. CHAPMAN, D.Sc., F.R.I.C.

BURSAR—J. BYCROFT, M.A.

LIBRARIAN—S. A. PEYTON, Ph.D.

Telephone : Registrar—Sheffield 27451.

TEACHING STAFF

Accounting

Downing, F., F.C.A.

Pt.-time Lectr.

Smith, C. A., LL.M., F.C.A.

Pt.-time Lectr.

Anatomy

Davies, F., D.Sc., M.D., B.S. Lond.

A. Jackson Prof.

O'Rahilly, R., M.Sc., M.B., Ch.B., B.A.O. N.U.I.

Lectr.

Hermitte, G. L., M.B., Ch.B.

(Histol.) Lectr.

King, T. S., M.B., Ch.B. Liv.

Demr.

Perrott, W.

Demr.

Cooper, Gertrude M., B.Sc. Lond.

Pt.-time Demr.

O'Gorman, F. J., F.R.C.S. Edin.

Hon. Demr.

Jones, C. D. P., M.B.E., M.B., B.S. Lond., F.R.C.S.

(Surg. A.) Hon. Lectr.

Cobb, J. H., M.B., Ch.B., M.B., B.S. Lond., F.R.C.S. Eng., F.R.C.S. Edin. (Aural A.)

Hon. Lectr.

Mackie, E. G., M.A., M.B., Ch.B. St. And., FR.F.P.S. Glas., D.O.M.S.

(Ophthal. A.) Hon. Lectr.

Patrick, L. B., M.B., Ch.B., F.R.C.S. Ed. (Gynæcol. A.)

Hon. Lectr.

Wilkie, J., M.Sc., M.B., Ch.B.

(Radiological A.) Hon. Lectr.

Architecture

Welsh, S., M.A., B.Arch. Liv., F.R.I.B.A. (in charge of Dept.)

Sr. Lectr.

Wright, F. W., M.A.

Sr. Lectr.

Ashcroft, W. R., Dip. Arch. Edin.

Lectr.

Thomson, R. B., B.A. Asst. Lectr.

Powis, G. J., B.A. Asst. Lectr.

Oates, J. R., Dip. Arch.

Asst. Lectr.

Isherwood, K., Dip. Art. Manc.

Asst. Lectr.

Daykin, A., Dip. Arch. Asst. Lectr.

Leighton, H. B., M.A., F.R.I.B.A.

(Building Sci. Subjects)

Lectr.

Morgan, T. L., M.Sc. Wales (Advance Construction) Lectr.

Bacteriology, v. Medicine *infra*

Biblical History and Literature

Bruce, F. F., M.A. Aberd. and Camb. Sr. Lectr

Biochemistry, v. Medicine *infra*

Biology, v. Botany and Zool.

Botany, v. also Zool.

Clapham, A. R., M.A., Ph.D. Camb. Prof.

Boswell, J. G., M.Sc. Lond. Sr. Lectr.

Conway, Verona M., B.A., Ph.D. Camb. Lectr.

Bond, T. E. T., M.Sc. Reading, Ph.D. Camb. Lectr.

Segrove, F., B.Sc., Ph.D. (Biology) Lectr.

Thoday, J. M., B.Sc. Wales (Cytogenetics) Asst. Lectr.

Chemistry

Haworth, R. D., B.Sc. Ox, D.Sc., Ph.D. Manc., F.R.S., F.R.I.C. Firth Prof.

Stevens, T. S., B.Sc., Glas., D.Phil. (Organic C.) Sr. Lectr.

Lawrence, A. S. C., Sc.D., Ph.D. Camb., F.R.I.C. (Physical C.) Sr. Lectr.

Smith, T. B., B.Sc., Ph.D. Lond. (Analytical C.) Sr. Lectr.

Turner, Emily G., M.Sc. Lectr.

Lamberton, A. H., B.Sc., Ph.D. Glas. Lectr.

Peacock, D. H., M.A. Camb., D.Sc. Lond., F.R.I.C. Lectr.

Asst. Lectrs.

Skinner, B. G., M.Sc. Lond.

Moser, W., B.Sc. Lond.

McKenna, J., M.Sc. Dub.

Tyrrell, H. J. V., B.A., B.Sc. Ox.

Riley, D. W., B.Sc. Lond.

Child Health, v. Medicine *infra*

Classics [(Greek) Prof.

Tate, J. M. A., Litt.D. Dub

Craig, J. D., B.A. Ox., M.A., D.Litt. St And (Latin) Firth Prof.

Laughton, E., M.A. Ox. Sr. Lectr.

Denard, W. V., B.A. Dub

Asst. Lectr.

Corbett, P. B., M.A. Asst. Lectr.

Batley, Mrs. W. A., M.A.

Pt.-time Asst.

Dentistry, v. *infra*

Economics

Knoop, D., M.A. Manc. Prof.

Jones, G. P., M.A., Litt.D. Liv.

(Econ. Hist.) Reader.

Pool, A. G., B.Sc. (Econ.), Ph.D.

Lond. Sr. Lectr.

Greystoke, J. R., B.Sc. (Econ.),

B.Com. Lond. Asst. Lectr.

Adams, J. W. L., M.A. Ox.

Pt.-time Asst.

Education

Turnbull, G. H., M.A. Liv., Ph.D. Bonn Prof.

Bradford, E. J. G., M.Sc. Lond.

Sr. Lectr.

Thompson, J. Ridley, M.C., T.D.,

D.Sc. Durh. Sr. Lectr.

Halloran, J. H., M.A. Leeds

Lectr.

Danby, J. F., M.A. Camb., B.A.

Durh. Lectr.

Armytage, W. H. G., M.A. Camb.

Lectr.

Williams, Eirian M., B.Sc. Wales

Asst. Lectr.

Brown, Nora M., M.A. Camb.

Asst. Lectr.

Dunkley, Ruth E. L., B.A. Camb.

Asst. Lectr.

Engineering, v. *infra*

English Lang. and Lit.

Knights, L. C., M.A., Ph.D. Camb.

(Eng. Lit.) Prof.

Wilson, R. M., M.A. Leeds (Eng.

Lang) (in charge of Dept.)

Sr. Lectr.

Hamer, D., M.C., M.A. Liv.
(Eng. Lit.) Sr. Lectr.
Murray, W. A., M.A. Glas.
(Eng. Lit.) Asst. Lectr.
Thomson, Patricia, M.A. Ox.
(Eng. Lit.) Asst. Lectr.
Klingopoulos, G. D., B.A. Camb.
(Eng. Lit.) Asst. Lectr.
Berry, F., B.A. Lond.
(Eng. Lit.) Asst. Lectr.
Scott, F. S., B.A. Camb.
(Eng. Lang.) Asst. Lectr.
Cameron, K., B.A. Leeds
(Eng. Lang.) Asst. Lectr.

French

Clapton, G. T., M.A. Prof.
Lyons, W. H., M.A., Ph.D. Dub.
, Lectr.
Ruston, Cecilia Z., B.A. Leeds,
B.Litt. Ox. Asst. Lectr.
North, R. J., M.A. Lond.
Asst. Lectr.
Pichler, Elfrieda T., M.A. Birm.
Asst. Lectr.
Shaw, Marjorie, B.A. Lond., D. de
l'U. Paris Asst. Lectr.
Capelle, G., L. ès L., Dip. d'E.S.
Lecteur.
Orhand, J., B. ès L. Lecteur.
Courage, Mlle A., L. ès L., Dip.
d'E.S. Lectrice.

Fuel Technology, v. *infra* Engin.

Geography

Linton, D. L., M.Sc. Lond. Prof.
Garnett, Alice, B.A., Ph.D. Lond.
Sr. Lectr.
Maxwell, I. S., B.A. Camb.
Asst. Lectr.
Hunt, A. J., B.A. Lond.
Asst. Lectr.
Savigear, R. A. G., B.A. Lond.
Asst. Lectr.

Geology

Shotton, F. W., M.B.E., M.A.
Camb., F.G.S. Sorby Prof.
Wilcockson, W. H., M.A. Camb.
Sr. Lectr.
Sylvester-Bradley, P. C., B.Sc.
Reading, F.G.S. Lectr.

Wilkinson, F., B.Sc. Lond.
Asst. Lectr.

German

Pickering, F. P., B.A. Leeds, Ph.D.
Breslau (in charge of Dept)
Sr. Lectr.
Mainland, W. F., M.A. Edin.
Lectr.
Brooke, K., B.A. Birm.
Asst. Lectr.
Kolisko, Gertrud, Ph.D. Vienna
Temp. Asst.

Glass Technology, v. *infra* Engin.

History

Hopper, R. J., B.A. Wales, Ph.D.
Camb. (Anc. H.) (in charge of
Dept.) Sr. Lectr.
Potter, G. R., M.A., Ph.D. Camb.
(Mod. H.) Prof.
Lewis, N. B., M.A., Ph.D. Manc.
(Mediæval H.) Sr. Lectr.
Tyler, J. E., M.A. Ox., M.A.
(Modern H.) Sr. Lectr.
Haley, K. H. D., M.A. Ox.
Asst. Lectr.

Law

Browne, D., M.A. Ox. Prof.
Metcalf, O. K., M.A., LL.M. (Pub.
and Com. L.) Ind. Sr. Lectr.
Farran, C. D'O., B.A., B.C.L. Ox.
Asst. Lectr.
Downing, F., F.C.A.
(Trust Accounts, etc.) Tutor

Mathematics

Walker, A. G., M.A. Ox., Ph.D.,
D.Sc. Edin. Town Trust Prof.
Stewart, C. A., B.A. Camb., M.A.,
D.Sc. Glas. (Geom.) Sr. Lectr.
Cox, R. R. S., M.A. Camb.
(Dynamics), Curator of
Observatory Lectr.
Baber, T. D. H., M.Sc. Brist.,
Ph.D. (Engin. Maths.) Lectr.
Mirsky, L., M.Sc. Lond. Lectr.
Weston, J. D., B.Sc., Ph.D. Lond.
Asst. Lectr.
Burkill, H., B.A. Camb.
Asst. Lectr.

Jowett, G. H., B.A. Lond. (Statistics) Asst. Lectr.
 Abson, H., M.A. Camb., M.Sc., B.Com. Lond.
 Temp. Asst. Lectr.

Medicine, v. infra

Metallurgy, v. infra

Mining, v. Engin., infra

Music

Shera, F. H., M.A., Mus.M. Camb., F.R.C.O.

James Rossiter Hoyle Prof.
 Linstead, G. F., D.Mus. Durh.
 Asst. Lectr.

Philosophy

Laing, B. M., M.C., M.A., D.Litt. Aberd. Prof.

Glasgow, W. D., B.A. Dub.
 Asst. Lectr.

Adams, J. W. L., M.A. Ox.
 Pt.-time Asst.

Physics

Sucksmith, W., D.Sc. Leeds,
 F.R.S., F.Inst.P. Prof.

Lawson, R. W., D.Sc. Durh.,
 F.Inst.P. Sr. Lectr.

Clarke, J. R., M.Sc., F.Inst.P.
 Sr. Lectr.

Yates, E. Leighton, M.Sc., Ph.D.
 Wales, F.Inst.P. Lectr.

Conn, G. K. T., M.A. Aberd., B.A.,
 Ph.D. Camb. Lectr.

Miller, H., M.A., Ph.D. Camb.
 (Radiological Physics)

Hon. Lectr.
 Donovan, B., B.Sc. Lond.

Asst. Lectr.
 Shepherd, R. B., B.Sc. Lond.

Asst. Lectr.
 Bush, H. D., B.Sc. Leeds

Asst. Lectr.
 Beattie, J. R., B.Sc. St. And.

Asst. Lectr.
 Reynolds, T. N., B.Sc. Demr.

Physiology

Smyth, D. H., M.D., M.Sc. Belf.,
 Ph.D. Lond. Prof.

Winter, L. B., M.A., M.D. Camb.
 Lectr.

Gibson, Q. H., M.D., Ph.D. Belf.
 Lectr.

Biggers, J. D., B.Sc. Lond.
 Asst. Lectr.

Glynn, A. A., M.B., B.S. Lond.
 Asst. Lectr.

Gaunt, R. T., M.Sc., M.B., Ch.B.
 Demr.

Public Health, v. Medicine infra

Russian

..... Lectr.

Spanish

Pierce, F. W., M.A. Belf. and Dub.
 (in charge of Dept.)

Hughes Lectr. and Sr. Lectr.
 May, T. E., M.A. Manc. Asst. Lectr.

Cohen, Reba M., B.A. Manc.
 Asst. Lectr.

Moragas, F., Dr. en Odont.
 Madrid Temp. Asst.

Zoology

Eastham, L. E. S., M.A. Camb.,
 M.Sc. Leeds

Prof. and Hon. Curator
 of Museum.

Francis, E. T. B., B.Sc. Lond.,
 Ph.D. Reading Sr. Lectr.

Colman, J. S., B.A. Camb., M.A.
 Ox. Lectr.

Segrove, F., B.Sc., Ph.D.
 (Biology) Lectr.

Thoday, J. M., B.Sc. Wales
 (Cytogenics) Asst. Lectr.

Bullough, W. S., Ph.D., D.Sc.
 Leeds

Hon. Lectr. and Sorby Fel.
 Whittington, B., B.Sc. Res. Demr.

Engineering

v. also Maths. *supra*

Swift, H. W., M.A. Camb., D.Sc.
 (Eng.) Lond.

Prof. of Engineering.
 Dudding, B. P., M.B.E., Ph.D.,
 F.Inst.P. (Indus. Statistics)

Lectr.

Motz, H., Dr. Ing. Vienna, M.Sc.
Dub., M.A. Ox.
(Engineering Physics) Lectr.
Dudley, B. R., B.Sc. (Eng.) Lond.
Research Asst. to Prof.

Engineering, Civil

Boulton, N. S., M.Sc. Birm.
(in charge of Dept.) Sr. Lectr.
Morgan, T. L., M.Sc. Wales Lectr.
Haythornthwaite, R. M., B.Sc.
Durh., B.Sc. (Eng.) Lond.
Lectr.

Engineering, Electrical

Wall, T. F., D.Sc. Vict., D.Eng.
Liv. (in charge of Dept.)
Sr. Lectr.

Milner, W. S., Dipl. Ing. Zürich,
M.Eng Lectr.
Harrison, D., M.Eng. Liv. Lectr.
Jones, C. V., B.Eng. Liv. Lectr.
Lloyd, H., M.Eng., Ph.D.
(Wireless Telegraphy) Demr.

Engineering, Mechanical

Turner, F. C., M.Eng. (in charge
of Dept.) Sr. Lectr.

Lecturers

Davies, H. J., M.Sc. Lond.
Burnet, W., B.Eng.
Jenkins, R. B. M., M.A. Camb.
Parker, C. F., B.Sc. Lond.
Baildon, E., M.Sc. (Eng.) Lond.
Pope, J. A., B.Sc. (Eng.) Lond.,
Ph.D. Belf.

Fuel Technology

Sarjant, R. J., O.B.E., D.Sc. Lond.
Prof.
Kirkby, W. A., M.Sc., Ph.D.
Manc., F.R.I.C. Lectr.
Batley, W. A., M.Sc. Manc. Lectr.
Hulse, C., B.Sc. Birm. Lectr.
Beet, A. E., B.Met. Demr.

Glass Technology

Moore, H., D.Sc. Lond., F.Inst.P.
Prof.
Parkin, M., M.Sc.
Lectr. and Sr. Research Asst.

Dimbleby, Violet, M.Sc.
Sr. Research Asst.
Hill, D. K., B.Sc. Manc. Lectr.
Taylor, H. E., M.A. Ox. Lectr.
Tress, H. J., B.Sc., Ph.D. Lectr.
Davison, S., B.Sc. Jr. Res. Asst.
Allison, R. S., B.Sc. Lond. Demr.

Mining

Hay, D., B.Sc. Lond. Hon. Prof.
Statham, I. C. F., M.Eng., F.G.S.
Prof.
Hurst, G., B.Eng. Lectr.
Ferrari, H., B.Sc. Leeds Lectr.
Bamber, T. F., B.Eng.
Asst. Lectr.

Metallurgy

Andrew, J. H., D.Sc. Manc. Prof.
Maddocks, W. R., B.Sc. Wales,
Ph.D. Glas.
(Ferrous) Sr. Lectr.
Orme, F., M.Met. (also Dental M.)
(Non-Ferrous) Sr. Lectr.
White, J., D.Sc., Ph.D. Glas.
(Refractories) Sr. Lectr.
MacDougall, A. J., M.Met. Lectr.
Protheroe, H. T., B.Sc. Wales
Lectr.
Havenhand, D., B.Sc. Lectr.
de Belin, G. A., M.Met. Lectr.
Woodhead, J. H., B.Met. Lectr.
Hawkins, Valerie M., B.Sc. (Melb.)
Asst. Lectr.

Medicine

(for subjects of first 2 yrs.—Anat.,
etc., v. *supra*)

Bacteriology

Beattie, C. P., M.A., M.B., Ch.B.,
D.P.H. Edin. Prof.
Bowie, J. H., M.B., Ch.B. Edin.
Lectr.
Elsden, S. R., B.A., Ph.D. Camb.
(Microbiol.) Lectr.
Paine, C. G., M.D., B.S. Lond.
Hon. Lectr.
Cook, L. G., M.B., Ch.B., D.P.H.
N.Z. Hon. Lectr.

Beattie, May H., B.A. Br. Col.,
Ph.D. Edin. Hon. Demr.
Colquhoun, J., M.B., Ch.B.
Hon. Demr.

Biochemistry

Krebs, H. A., M.A. Camb., M.D.
Hamb. Prof.
Bacon, J. S. D., M.A., Ph.D.
Camb. Lectr.
Bender, A. E., B.Sc. Liv.
Asst. Lectr.
Lindsay, Monica, M.Sc. N.Z.
Asst. Lectr.

Child Health

Illingworth, R. S., M.D. Leeds,
D.P.H. Prof.
Stapleton, T., M.A., B.M., B.Ch.
Ox., D.P.H. Lond Tutor.
9 Clin. Teachers.

Medicine

Stuart-Harris, C. H., M.D. Lond.,
F.R.C.P. Prof.
Kelsall, A. R., M.B., B.Chir.
Camb. Sr. Lectr.
Pemberton, J., M.D. Lond. (Social
Aspects) Sr. Lectr.
Dick, A., M.D., B.S. Glas. Tutor.
Lecturers
Yates, A. G., M.A., M.D., Ch B.
Edin., F.R.C.P.

(Clinical M.).

Imrie, C. Gray, M.D. W. Ont,
F.R.C.P. (Clinical M.)
Wayne, E. J., M.D., M.Sc., Ph.D.
Leeds, F.R.C.P. (Clinical M.)
Gumpert, T. E., M.B., Ch.B.,
F.R.C.P. (Clinical M.)
Brody, H. P. (Clinical M.)
Leishman, A. W. D., B.Ch., D.M.
Ox. (Clinical M.)
Skipper, E., M.D. Lond.

(Clinical M.).

Turner, H. M., M.D. Manc., D.P.H.
(Tuberculosis)
Kennedy, J. M., M.B., B.Ch.,
B.A.O. Belf., D.P.H.
(Infectious Dis)
Oliver, G. B., D.A. (Indust. Med.).
Hon. Lectr

Grout, J. L. A., M.C., F.R.C.S.Ed.,
D.M.R.E. Camb., F.F.R.
(Radiol.).

Blomfield, G. W., M.A. Camb.,
F.R.C.S., D.M.R.

(Radiotherapy).

Vickers, H. R., M.Sc., M.B., Ch.B.
(Dermatol.).

Thorpe, F. T., D.P.M.
(Mental Dis.).

Esher, F. J. S., M.B., Ch.B. Birm.,
D.P.M. (Mental Dis)

Hon. Asst.

Carson, J., M.B., Ch.B. St. And.
(Psychol.).

Finch, E. F., M.D., M.S. Lond.,
F.R.C.S.

(Hist. of Med.)

Milne, K. J. G., D.P.H. Lond.,
M.D. (Clinical M.)

Pt-time Asst. Tutor.

3 other Clin. Teachers.

Obstetrics and Gynaecology

Chisholm, J., M.B., Ch.B. Edin.,
F.R.C.S.Ed., F.R.C.O.G.
Prof.

Lecturers

Stacey, J. E., M.D., B.S. Lond.,
M.B., Ch.B., F.R.C.S.Ed.,
F.R.C.O.G. (Clin. O. and G.).

Davies, Glyn, M.B., Ch.B. Edin.,
F.R.C.S.Ed. (Clin. O. and G.).

Patrick, L. B., M.B., Ch.B.,
F.R.C.S.Ed. (Clin. O. and G.).

Barr, S. J., M.B., Ch.B. Belf. (Clin.
O. and G.) Asst. Tutor.

Chisholm, J., M.B., Ch.B. Edin.,
F.R.C.S.Ed., F.R.C.O.G. (Vac-
cination) Lectr.

1 other Clin. Teacher.

Pathology

Green, H. N., M.A. Camb., M.Sc.,
M.D.

Joseph Hunter Prof. and
Dir. of Cancer Research.

Harding, H. E., B.A., D.M. Ox.
(Medical Path.) Lectr.
and Curator of Museum.

- Whiteley, H. J., B.Sc., M.B., Ch.B.
Asst. Lectr.
- Edwards, J. L., M.A., M.B., B.Ch.
Camb. Hon. Lectr.
- Emery, J. L., M.D. Brist.
Hon. Lectr.
- Hermite, L. C. D., M.B., Ch.B.
Edin., D.T.M. and H.
Hon. Lectr.
- Chesterman, J. T., F.R.C.S.,
F.A.C.S.
Hon. Lectr. (Surg. P.)
and Asst. Curator of
Museum.
- Hopewell, J. D., B.Sc., M.B., Ch.B.
Demr.
- Osborn, G. R., M.B. Melb.
Hon. Demr.
- Pharmacology and Therapeutics*
- Wayne, E. J., M.Sc., Ph.D., M.D.
Leeds, F.R.C.P. Prof.
- Wood, D. R., M.A., B.Sc., B.M.,
B.Ch. Ox.
(Pharmacol.) Lectr.
- Goodwin, J. F., M.D. Lond.
(Therapeutics)
Res. Fellow and Demr.
- 2 Instrs.
- Public Health*
- Prof.
- Roberts, L., M.D., D.P.H. Lond.
Hon. Lectr.
- Stevenson, D. O., M.B., Ch.B.
Aberd. (Venereal Dis.)
Hon. Lectr.
- Forbes, G., B.Sc., M.B., Ch.B. Glas.,
F.R.C.S. Ed., F.R.F.P.S. Glas.
(Forensic Med.) Lectr.
- Surgery*
- Brockman, R. St. L., M.A.,
M.Ch. Camb., F.R.C.S. Prof.
- Lecturers
- Yates, H. Blacow, M.A., M.B.,
B.Chir. Camb., F.R.C.S.
(Clinical S.).
- Lytle, W. J., M.B., B.Ch., B.A.O.
Belf., F.R.C.S. (Clinical S.).
- Anderson, J. C., O.B.E., M.B.,
Ch.B. St. And., F.R.C.S.
(Clinical S.).
- Holdsworth, F. W., M.A., M.B.,
M.Chir. Camb., F.R.C.S.
(Orthopædic S.).
- Hardman, J., M.B., Ch.B. Burm.,
F.R.C.S. (Neurological S.).
- Cobb, J. H., M.B., B.S. Lond.,
M.B., Ch.B., F.R.C.S. Eng. and
Ed. (Ear, Nose and Throat).
- Ferguson, W. J. W., M.B., Ch.B.
Glas. (Ophthalmic S.).
- Pleasance, R. E., M.D., D.A.
(Anæsthetics).
- Woodruff, M. F. A., B.E.E., M.D.,
M.S. Melb. Tutor.
- Butters, A. G., F.R.C.S. Ed. Tutor.
- Hall Drake, E. P., M.A., M.B.,
B.Chir. Camb., F.R.C.S.
Asst. Tutor.
- 8 other Clin. Teachers.
- 11 Instrs.
- Dentistry**
- v. also Metallurgy
- Roberts, G. L., M.B., Ch.B., B.D.S.
Liv.
(D. Surg.) Prof., Director
of Dental Studies.
- Hull, J., L.D.S. (Dent. Surg.)
Asst. Lectr.
- Rastall, R., L.D.S. (Dent. Surg.)
Hon. Demr.
- Heald, H. R., L.D.S.
(Anat. and Physiol.) Lectr. (D.
Histol.) Demr.
- Gardiner, J. H., B.D.S. Manc.
(Orthodontics) Tutor.
- Turrell, A. J. W., L.D.S. Leeds (D.
Mech. and Prosthetics)
Sr. Lectr. and Demr.
- Bradford, E. W., B.D.S.
Lectr. and Demr.
- Orme, F., M. Met. (D. Metallurgy)
Lectr.
- Pleasance, R. E., M.D., D.A.
(Anæsthetics) Lectr.
- Gaunt, M. T., M.Sc., M.B., Ch.B.
(Med.) Lectr.

Woodruff, M. F. A., B.E.E., M.D.,
M.S. Melb., F.R.C.S.

Adult Education

(Surg.) Lectr. Tutors: 9 members of the Staff
4 other Clin. Dental Teachers. and 43 others.

AFFILIATED INSTITUTIONS

BARNSELY MINING AND TECHNICAL COLLEGE, SCUNTHORPE TECHNICAL SCHOOL, LINCOLN TECHNICAL COLLEGE, AND CHESTERFIELD TECHNICAL COLLEGE. Students proceeding from "Affiliated Institutions" to the Univ. to take courses for an Honours degree, Associateship or Diploma in the Facs. of Engineering or Metallurgy may receive certain concessions.

GENERAL INFORMATION

University College, Sheffield, incorporated by Royal Charter in 1897, was in 1905 merged in the University of Sheffield constituted by Royal Charter in that year. The city being an important centre of steel, electro-plate, glass, and other manufacturing industries, and in the heart of an extensive coal-mining area, students of Engineering, Metallurgy, Mining, Fuel Technology, and Glass Technology have exceptional opportunities.

LIBRARY (Arts, Pure Science, Medicine and Law), 174,579 vols. and pamphlets. 570 current periodicals. LIBRARY (Applied Science), 12,562 vols. and pamphlets. 90 current periodicals. Also Special Glass Technology departmental collection.

LABORATORIES, ETC. Equipment for advanced study and research in all Departments. Special provision for Engineering, in all branches, including Mining and Fuel Technology, and also for Glass Technology and Metallurgy, the equipment for the latter including an experimental scale steel works. The laboratories for Botany, Geography, Zoology and Biochemistry have been rehoused in new and much larger premises started before the War but not finished until 1941.

OBSERVATORY with 6½" equatorial telescope and 2¼" transit instrument.

HOSPITALS available for clinics include 2 general (962 beds), 5 special (1532 beds), and Mental Hospital (2000 beds).

FACULTIES. (1) Arts (including Archit.), (2) Pure Science, (3) Medicine (including the Dental Dept.), (4) Law, (5) Engineering (Depts. of Civ., Elec., Mech., Mining and Fuel E., Fuel Tech., Glass Tech.), and (6) Metallurgy (Ferrous Non-Ferrous and Founding). *Deans*: (1) Prof. G. T. Clapton (French), (2) Prof. W. Sucksmith (Physics), (3) Dr. J. G. McCrie, (4) Prof. D. Browne (Law), (5) Prof. I. C. F. Statham (Mining), (6) Prof. J. H. Andrew (Metall.). There is a Univ. Training Dept. for Teachers for elementary and secondary schools. *Dept. of Glass Technology*: The Dept. housed in a new block of buildings was the first and still remains the best known of the scientific instns. in the world devoted to the study of glass, v. also *supra*. *Faculty of Metallurgy*: The courses in Metallurgy include, in addition to the ordinary subjects of a metallurgical training in Ferrous and Non-ferrous Metallurgy, special instruction in Foundry Metallurgy and in the use of semi-large scale plant. Postgraduate courses are arranged for graduates in Pure Science or in Metallurgy.

ADMISSION. See Appendix I.

DEGREE COURSES. 3 yrs.—B.A. (with Honours in Archit.—5 yrs., including time spent in an Architect's office), B.Mus., B.A. (Econ.), B.Sc., LL.B., B.Met.

(3 yrs.' evening courses may, under certain conditions, be taken by students of 20 yrs. of age in lieu of the 2nd and 3rd yrs.' day courses), B.Eng., B.Sc.Tech.; B.Eng. Honours and B.Sc.Tech. Honours, 3 yrs. after passing Intermed. Examn.; 6 yrs. (including at least 3 in the Univ.)—M.B., Ch.B.; 6 yrs.—B.D.S. Graduates of a Univ. of the U.K. who wish to qualify for special degree of B.A. or B.Sc. with Hons., B.Mus. or LL.B., need, under certain conditions, only attend courses for 2 yrs., if they have pursued a course for 2 yrs. at some approved instn. Graduates of approved Universities (in the Faculty of Metallurgy a University of the British Empire) who wish to qualify for B.Eng., B.Sc.Tech. or B.Met. with Honours need, under certain conditions, only attend courses for 2 yrs. (for B.Eng. or B.Sc. Tech. pass degree, 1 or 2 yrs.; B.Met. pass degree, 2 yrs.) if they have pursued a course for 2 yrs. at some approved institution.

General Honours B.A. and B.Sc. degrees are conferred (v. p. 7).

Attendance on approved courses at a Univ. or Coll. recognized for the purpose may be accepted as equivalent to such courses in the Univ. The Univs. of Paris, Caen, Besançon, Grenoble, Lyons, Poitiers, Berlin, Heidelberg, Leipzig, Freiburg, Göttingen, Tübingen, Giessen, Innsbruck, Rennes, Zurich, Aarhus, Basel and Berne have been recognized in the Faculty of Arts, and the Univ. contributes towards expenses of undergraduates spending a term there.

A Secondary Schools Council, including, in addition to members of the Univ. staff, representatives of local education authorities and school staffs, keeps the Univ. in touch with secondary educn.

HIGHER DEGREES. Obtainable by Bachelors of the Univ. of 1 yr.'s standing—M.A., M.Sc., LL.M., M.Eng., M.Sc.Tech., M.Met.—in each case a candidate must present a thesis approved by the Faculty concerned and, except for LL.M., pass an oral examn. Under certain conditions graduates of other Univs. may become candidates for these degrees. M.D.S. on the results of an examn. written, viva and practical; 2 yrs.' standing—M.D.; 3 yrs.' standing—Ch.M.; 4 yrs.' standing—LL.D.; 5 yrs.' standing—Litt.D., D.Mus., D.Sc., D.Eng., D.Sc.Tech., D.Met.; Ph.D., v. p. 15.

DIPLOMAS. Archit., 5 yrs. (including time spent in an Architect's office); Educn. (after graduation), 1 yr. (special facilities for Pedagogical research); English Studies for Foreign Students, 1 yr.; Public Administration, 2 yrs.' Evg. study; L.D.S., 5 yrs.; Glass Technology, 3 yrs. (for those with 2 yrs.' practical experience, 2 yrs.); Associateship in Engin. (Evg. Students), 4 yrs.; Associateship in Fuel (Evg. Students), 4 yrs.; Associateship in Iron and Steel or Non-Ferrous Met. (Evg. Students), 5 yrs.

Certificates, Architecture (3 yrs.') ; Biology (2 yrs.' part-time study).

FEES. Registrn.: Diploma courses (except Educn. and L.D.S.), 21s. p.a., Educn., 25s. p.a.; Degree courses (except M.B., Ch.B., and B.D.S.), 25s. p.a. Tuition for degree courses (approximate): B.A., B.Mus., and B.A. (Econ.), £26:13:4 p.a.; B.A. with Hons. in Archit., £31:10s. p.a.; B.Sc., £35 p.a.; LL.B., 15 gs. p.a.; B.Eng., B.Met., B.Sc.Tech. (Glass or Fuel), £41:10s. p.a.; M.B., Ch.B., £42 p.a.; B.D.S., £45 p.a. Examns.: Intermed. and 1st B.Mus., £2; Final Pass Degree, £2; Final General B.A., £2:10s.; Final Honours, B.Mus. and General B.Sc., £3; M.B., Ch.B., B.D.S., L.D.S., for each of 1st, 2nd, 3rd, and Final examns., £6. Bachelor's Degree fee, £6 (except M.B., Ch.B., £5; B.D.S., £5).

SCHOLARSHIPS, ETC., FOR GRADUATES. Alfred Tongue Scholp., £80 for 1 yr. for research in Engin., Met., or Chem.; several Robert Styring Research Scholps., £100 p.a. for research in ferrous and non-ferrous metals; Mechanics Institute Scholp., £50 p.a. for 1 yr., together with fees for courses taken by th

holder, for research in one of the Depts. of the Univ.; 2 Frederick Clifford Scholps., each £60 p.a. for 2 yrs., for research in one of the Depts. of the Univ. Ezra Hounsfield Linley Postgraduate Scholp., £75 to £100 p.a. for 1 yr., for research in Fac. of Engin. or Fac. of Met. or Physics or Chem.; Town Trustees Fellowship, £75 p.a. for 1 yr., for research in one of the Depts. of the Univ. Kemsley Travelling Fellowship, £400 p.a. for 1 yr.; Sir H. K. Stephenson Travelling Fellowship in Architecture; George Senior Fellowships, £125 p.a. 2 offered annually for research, one in Engin., and one in Met.

OPEN FELLOWSHIPS. Ellison Fellowships, up to £320 with remission of fee for research in Chem., Physics and (in certain conditions) Engin.; Coke Research Fellowship, £350; Glass Delegacy Fellowship, £600 for 2 or 3 yrs. open to graduates in Engin. or Sci.

Note. The number and value of Scholarships and Fellowships are liable to reduction in all cases.

RESIDENCE, ETC. There are two Halls of Residence for men, Crewe (Warden: J. W. L. Adams, M.A.), £90 p.a., and Ranmoor House (Warden W. R. Maddocks, Ph.D.), £84; and two for women, University and Taptor Elms (Warden: Miss D. M. Sage, B.Sc.), £87 p.a. Both Crewe and University Halls have annexes to accommodate additional students. A list is maintained of Lodgings supervised by a Special Committee, and there is a full-time lodgings officer; board and lodging cost from 45s. upwards per week. Athletic ground, about 40 acres. The Union Rep. Council takes a leading part in the social life of the Univ. There is a Students' Union for men and women.

APPOINTMENTS BOARD. Appointments Officer: E. A. Ovens, B.A.

There is an OLD STUDENTS' ASSOCN. which publishes periodically lists giving addresses, occupations, honours, etc.

THE BOARD OF EXTRA-MURAL STUDIES supervises the extra-mural work of the Univ. Public lectures, Univ. Extension courses, Tutorial and Sessional Classes are provided. There is a Joint Cttee. for work with the Workers Educational Association. Director of Extra-mural Studies: M. Bruce, B.A.

Evening Classes in Mechanical, Civil, and Electrical Engineering, in General Science, Metallurgy, Fuel and Glass Technology, are held during the 6 months Oct. to April, and Trades Technical Classes are held in association with the National Trades Technical Societies. 90 additional lecturers and teachers are employed on this work besides some members of the regular staff. For notes on the extent to which these classes are recognized as qualifying for degrees etc., v. *supra*—Degrees, Diplomas.

Evening Classes are also provided in Econ., Secretarial Practice, Acctcy. Law, Conveyancing and Public Admin.

PUBLICATIONS. *Calendar* (Oct.), 5s.; *Sheffield University Gazette*, pubd. once each term, 3d.; *The Arrows*, a Chronicle pubd. once each term, annua subs., 1s. 6d.; *Annual Report* (Dec.); Fac. and Training Dept. Prospectuses Scholarships pamphlet.

THE YEAR 1946-47

BENEFACTIONS. Contributions and promises amounting to £211,900 towards the University Development Fund which opened January 23, 1947. Lists of these have been published and include £50,000 from the Sheffield City Council, £50,000 from the Staveley Coal & Iron Co., £2000 p.a. under covenant for seven yrs. from the English Steel Corporation and other large gifts. Gift of £517 from the British Coke Research Assoc. for the foundation of an annua

prize in the Dept. of Fuel Technology, and of £200 (£100 from the Sheffield Local Medical and Panel Committee and £100 from Dr. R. E. Pleasance) for an annual prize in pædiatrics.

NEW BUILDINGS. Temporary premises built or acquired since the end of the War have largely increased the total floor space available for the Faculties of Arts, Pure Science and Medicine. A new temporary Hall of Residence for 50 men students has been opened, and an annexe to the Hall for Women.

NEW DEPARTMENT. Biblical History and Literature.

NEW POSTS. (i) Full-time Dean of the Faculty of Medicine; (ii) Director of Extra-mural Studies; (iii) 1 Senior Lecturer, 2 Lecturers, 7 Assistant Lecturers, etc.; (iv) Full-time Appointments Officer; (v) Full-time Lodgings Officer; (vi) Tutor for Foreign Students.

CHANGES IN REGULATIONS. Adjustments in the curricula in Medicine and Dentistry, as a result of certain of which the medical course has been lengthened by one term. Detailed changes in courses leading to degrees in Engineering and Metallurgy, for the most part restoring these courses to their pre-War form. Abolition for full-time day students of the Associateship courses in Engineering and Metallurgy and that for the Diploma in Mining—these qualifications are now confined to evening students.

EXTRA-MURAL WORK. During the session 1946-47, 114 Tutorial and Sessional Classes and 4 University Extension courses were held.

VISIT OF TEACHER FROM OTHER UNIVERSITY. Prof. Dámaso Alonso (University of Madrid)—“Developments in Contemporary Spanish Poetry.”

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. J. Tate (Greek), lecture on “Persius’ Literary Standpoint” to the classical staff and students of Manchester Univ.; Mr. J. F. Danby (English Lit.), three lectures on “The Teaching of English in the Primary School” at Univ. Coll., Hull; Mr. W. H. G. Armytage, “The Place of the Universities in public life,” a series of lectures delivered before the Univ. of Bonn; Mr. B. Donovan (Physics), “Recent Advance in Physics and Electronics,” six lectures at the Technische Universität, Berlin; Prof. C. H. Stuart-Harris, Malcolm Morris Memorial Trust Lecture on “Prevention of Acute Respiratory Diseases with particular reference to Influenza” at St. Mary’s Hosp. Med. Sch.; Mr. E. F. Finch, lecture on “The Surgical Aspects of Hæmaturia” at the Postgraduate College, Hammersmith, London; four clinical surgical demonstrations to medical students at the Univ. of Oxford; Prof. H. W. Swift, lecture on “Deep Drawing” to the Metal Physics Colloquium, Cambridge.

RETIREMENT. Mr. A. M. Woodward (Reader in Anc. Hist. and Archæol.).

RESIGNATIONS. W. Balmforth (Glass Technol.); Miss D. M. Bennett (Warden, University Hall), on her marriage; Mr. A. C. Cawley (Engl. Lang.), on appt. as Lectr. at Leeds Univ.; Dr. J. Clarke (Public Health); Mr. W. J. Emerson (Anat.); Dr. Willis Grant (Music); Mr. A. Gray (Physics); Dr. R. Halle (Glass Technol.), on appt. to industrial post; Dr. A. J. Holland (Glass Technol.), on appt. to industrial post; Dr. C. Horrex (Chem.), on appt. as Lectr. at St. Andrews Univ.; Dr. E. Hutchinson (Chem.), on appt. to a Research Fellowship in Stamford Univ., California; Mr. T. E. James (Law); Dr. I. F. S. Mackay (Physiol.), on appt. to a Readership at King’s Coll., Newcastle-on-Tyne; Dr. Olive Maguinness (Educn.); Mr. E. R. Monypenny; Mr. J. D. Morgan (Anat.); Mr. J. C. Newbold (Obstetrics); Miss E. M. Owen (Library), on appt. as Sub-Librarian at Univ. Coll., Swansea; Dr. R. Rado (Maths.), on appt. to a Readership at King’s Coll., London; Dr. J. Sinclair

(Mining), on appt. to Chair of Mining at Univ. Coll., Cardiff; Dr. L. C. Sykes (French), on appt. to Chair of French at Univ. Coll., Leicester; Mr. W. Turner (Archit.); Dr. W. D. Wallace (Med.).

DEATHS. The Rt. Hon. the Earl of Harewood, Chancellor; Sir Henry Stephenson, Bt., Pro-Chancellor since 1916 and Charter Treasurer of the University; Mr. W. J. Law, Lectr. in Dental Anat. and Physiol.

HONORARY DEGREES. *LL.D.*—Field Marshal Lord Wilson of Libya and of Stowlangtoft, G.C.B., G.B.E., D.S.O.; the Rt. Hon. A. V. Alexander, P.C., C.H.; the Rt. Hon. Sir John Anderson, P.C., G.C.B., G.C.S.I., G.C.I.E., F.R.S.; Sir Hector Hetherington. *D.Eng.*—Sir Donald Bailey, O.B.E. *Litt.D.*—Dr. G. M. Trevelyan, O.M., C.B.E., F.B.A.

STUDENTS. Total. 2236; full-time: 1355; part-time: 1881; the total includes 514 women and 113 graduates.

DEGREES CONFERRED. B.A., 69; B.A. (War), 1; M.A., 6; LL.B., 6; LL.B. (War), 3; B.Sc., 51; B.Sc. (War), 1; M.Sc., 2; Ph.D. (Faculty of Pure Science), 2; M.B., Ch.B., 21; Ph.D. (Faculty of Medicine), 1; M.D., 1; B.D.S., 1; B.Eng., 37; B.Eng. (War), 1; B.Sc.Tech., 15; B.Sc.Tech. (War), 1; Ph.D. (Faculty of Engineering), 1; D.Eng., 1; B.Met., 14; Ph.D. (Faculty of Metallurgy), 5

UNIVERSITY OF WALES, CARDIFF

Founded 1893

VISITOR AND PROTECTOR—H.M. THE KING.

CHANCELLOR—To be appointed.

PRO-CHANCELLOR—The Right Hon. LORD HARLECH, P.C., K.G., G.C.M.G., D.C.L., LL.D., F.S.A.

VICE-CHANCELLOR—for biennium ending Aug. 31, 1950, Principal D. EMRYS EVANS, M.A., B Litt Ox., University College of North Wales, Bangor.

WARDEN OF THE GUILD OF GRADUATES—Prof. OLIVE A. WHEELER, D Sc.

DEAN OF DIVINITY—The Rev. Principal J. WILLIAMS HUGHES, M.A., B.D.

REPRESENTATIVE IN PARLIAMENT—*See* p. 21.

REGISTRAR—ERIC EVANS, M.A., University Registry, Cathays Park, Cardiff.

SECRETARY TO THE COUNCIL—ELWYN DAVIES, M.A., M.Sc., Ph.D.

Telephone: Registry—Cardiff 1776, 1777.

CONSTITUENT COLLEGES

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR.

UNIVERSITY COLLEGE OF S. WALES AND MONMOUTHSHIRE, CARDIFF

UNIVERSITY COLLEGE OF SWANSEA.

SCHOOL OF THE UNIVERSITY

THE WELSH NATIONAL SCHOOL OF MEDICINE.

ASSOCIATED THEOLOGICAL COLLEGES AND SCHOOLS OF THEOLOGY

UNITED THEOLOGICAL COLLEGE, ABERYSTWYTH AND BALA. At *Aberystwyth*: Principal—Rev. G. A. Edwards, M.A., D.D., Prof. of *Christian Doctrine and Ethics*. Other Profs.: , *Church Hist.*; S. H. Hedley Perry, M.A., *Hebrew and O.T. Exegesis*; Rev. W. R. Williams, M.A., *New T. Greek*; Rev. D. Morris Jones, M.C., M.A., B.D., *Theism and Philos. of Religion and Hist. of Religions*. At *Bala*: Principal—Rev. David Phillips, M.A., D.D.; Rev. Griffith Rees, M.A., *Past Theol.*

BANGOR SCHOOL OF THEOLOGY. Rev. Principal J. Williams Hughes, M.A., B.D., Rev. G. O. Williams, M.A., *N.T. Greek*; Rev. Prof. C. R. North, M.A., D.D.,

D. R. Ap-Thomas, M.A., B.D., *Hebrew*; Rev. Prof. W. T. Pennar Davies, M.A., B.Litt., Ph.D., Thomas Richards, M.A., D.Litt., Prof. R. T. Jenkins, M.A., D.Litt., *Ch. Hist.*; Rev. Principal G. Bowyer, M.A., B.D., *Christ. Doct.*; Hywel D. Lewis, M.A., B.Litt., *Philos. of Religion*; Rev. D. W. Gundry, M.Th., *Hist. of Religions*; Rev. Prof. T. Ellys Jones, M.A., B.D., *The Holy Script.*

BRECON, The Memorial Coll. Principal—Rev. Joseph Jones, M.A., B.D., *New T. Greek and Exegesis*. Other Profs.: Rev. Isaac Thomas, B.A., B.D., *Ch. Hist.*; Rev. J. D. Vernon Lewis, M.A., B.D., *Hebrew and Old T. Exegesis*; Rev. D. J. Davies, B.A., *Christian Doctrine and Ethics, Theism and Philos. of Religion*.

CARDIFF SCHOOL OF THEOLOGY. Prof. L. J. D. Richardson, M.A., Rev. Prof. D. R. Griffiths, M.A., B.D., M.Th., *New T. Greek and Exegesis*; Prof. A. R. Johnson, Ph.D., Rev. E. R. Rowlands, M.A., *Old T. Hebrew and Semitics*; Rev. Principal Edward Roberts, M.A., B.D., *Philos. of Religion, Philosophical Theism and Christian Doctrine and Ethics*; Rev. Prof. Emlyn Davies, B.A., B.Litt., *Church History*.

CARMARTHEN, The Presbyterian Coll. Principal—Rev. John Islan Jones, M.A. Lectrs.: Rev. Prof. M. B. Owen, M.A., B.D., *Ch. Hist.*; Rev. Prof. J. O. Stephens, M.A., B.D., *Christian Doctrine and Ethics, and Theism and the Phil. of Religion*; Rev. Prof. D. P. Roberts, M.A., B.D., *New T. Greek*; Rev. Prof. D. L. Trevor Evans, B.A., B.D., *Hebrew and Old T. Exegesis*.

GENERAL INFORMATION

The Univ. was founded by Charter, 1893. As the result of an enquiry held by a Royal Commission in 1916-18, a Supplemental Charter was granted to the Univ. in 1920, which introduced many important changes. For outline of changes, see *Yearbook*, 1929. A further Supplemental Charter was granted in 1932 providing *inter alia* for the institution of the Welsh National School of Medicine as a School of the Univ., and for the recognition of Schools of Theology at the Collegiate centres. The teaching for initial degrees is undertaken by the constituent and associated Colleges and by the Welsh National School of Medicine, and matriculation in the Univ. is open only to students of those institutions; in the case of an associated Theological College, only to students who are graduates of an approved University. The Technical College, Cardiff, is associated for the purpose of providing courses of study for the degrees of B.Pharm. and B.Arch. The Univ. prescribes conditions under which it awards initial degrees to students of the Colleges and of the School of Med. and conducts the final exams. An Academic Advisory Committee deals with the conditions on which School Leaving certificates are accepted by the Univ. for matriculation, and as relieving a student from repeating in College work done in Secondary Schools, and with other matters lying in the borderland between School and Univ.

ADMISSION. See Appendix I.

DEGREES. B.A., M.A., D.Litt.; B.Sc., M.Sc., D.Sc.; B.Mus., M.Mus., D.Mus.; LL.B., LL.M., LL.D.; M.B., B.Ch., B.Pharm., M.D., M.Ch., M.Pharm.; B.D., D.D.; B.Arch., M.Arch.; Ph.D. (in Arts, Science, Law, Medicine).

For a first degree 3 yrs. of study are required. The degree in Med. is only open to a graduate in Arts or Science or Law of some British or approved colonial or foreign Univ.; the period of qualification is 6 yrs., of which the last 3 may be spent in an approved School of Med. in the U.K. or in one of the

Univs. of Paris, Berlin, Vienna, or the Johns Hopkins Univ. The degree of B.D. (3 yrs.' course) is postgraduate; study is pursued in one of the Associated Theol. Colls. or at the Schools of Theol. of the University Coll. of N. Wales, Bangor, and the University Coll. of South Wales and Monmouthshire, Cardiff, respectively. The period of qualification for the degree of B.Arch. is 6 yrs. The first year of study is pursued in one of the constituent Colleges of the University and the remainder in the Cardiff Technical College. Study for an Honours degree in Arts, Science, Music, or Law ordinarily covers 4 yrs. The M.A., M.Sc., and LL.M. may be awarded to graduates of other Univs. approved for this purpose who pursue a scheme of research for at least 2 yrs. in one of the constituent Colls. As regards Ph.D., see p. 15.

DIPLOMAS. Education, 1 yr. postgraduate; Public Health (C.P.H.), full-time for one term, subsequent to attainment of registrable qualification; D.P.H., part-time over 12 mos., subsequent to qualification for C.P.H.; Tuberculous Diseases (T.D.D.), 2 yrs. subsequent to attainment of registrable qualification (including 12 mos.' resident appointment in Tuberculosis Hospital and attendance at approved courses of instruction); Agricultural Science or Forestry, 1 yr. for graduates and others with equivalent qualifications; Theology, 3 yrs.; Agriculture, 3 winter sessions of two terms each and approved practical work.

FEES: Matricn., £3; examns. qualifying for Bachelor degree, from £6: 15s; Master, £8; Ph.D., £12: higher Doctorates, £20. See separate Colleges for tuition fees.

POSTGRADUATE SCHOLARSHIPS, ETC. The Univ. has funds amounting to over £7000 p.a., including the income of a capital sum of £20,000 given by the late Dr. Samuel Williams of Llanelly, Carm., for the encouragement of research. In addition to 8 Fellowships (annual value £300 each), one of which is a Dr. Samuel Williams Fellowship, tenable for 2 yrs, it awards 16 or more studentships (4 named Dr. Samuel Williams Studentships), on the nomination of the Colls. to students who after graduation engage in work preparatory to research for 2 yrs. Grants to assist research into Welsh language, institutions, etc., are made, preferably to members of the Univ., from the T. Ellis Memorial Fund (capital £1574).

PRIZES. *The Roberts Welsh Reading Prize* (bound books value £2); *The Sir Samuel Evans Prize* (c. £50) for the most proficient student in the Hons. examns. in Law; *The Prince Llywelyn ap Gruffydd Memorial Prize* (a bronze medal and bound books value £2: 10s.) for the best M.A. dissertation on a subject relating to the hist. of Wales or the Welsh Marches; *The Brough Prize in Logic and Psychology* (about £40) for the best M.A. dissertation on a subject within the province of Logic or Psychol.; *The John Maclean Prize* (silver medal and bound books, value £2: 10s.) for the most proficient student in the degree examns. in Obstetr. and Gynæcol.; *The Willie Seager Prizes* in Medicine, Surgery, and Pathology and Bacteriology (a gold medal and books value £4), for the most proficient students in the degree examns. in Med., Surg., and Pathol., and Bacteriol. respectively; *The Hywel Dda Prize* (£20), awarded to the person who has by work published within the preceding 5 calendar yrs. done most to advance the study of ancient Welsh law and custom, or thrown most light upon its origins and history; *The Sir Ellis Griffith Memorial Prize* (books value £5 and a money prize of £10), awarded to the person who has by work published within the preceding 3 calendar yrs. produced the best work dealing with Welsh lit., the arts and crafts of Wales, or with artistic work produced by Welshmen; *The Dr. Ella Brisco Owen Prize* (books value £3: 3s.), for the most proficient woman student in Anatomy who is a candidate for the degrees

of M.B., B.Ch.; *The Cardiff National Eisteddfod* (1938) *Prize* (£45), awarded to a person for the publication of a music composition by a Welsh composer; *The Ieuan Gwyllt and The Tanymarian Memorial Prize* (about £30), for a composition of choral music, with or without accompaniment, by a Welsh musician.

THE UNIVERSITY APPOINTMENTS BOARD is concerned with appointments of all kinds (Secretary—J. H. Lloyd, M.Sc.). Address: University Registry, Cathays Park, Cardiff.

1946-47, 489 appointments (men 302, women 187), including: Educational, 338; Business, administrative, etc., 151.

PUBLICATIONS. *Calendar* (Oct.), 6s. post free. Courses in Div. and in Mus., and Matricn. and Degree Regns., free. Matricn. Examn. Papers, 6d. Degree Papers: Arts, 6s., Science, 5s., Medicine, 1s., Theology, 9d. Bulletin of Board of Celtic Studies, 7s. 6d. per part (5s. to subscribers). Publns. of the Council of Music. The best account of the early history of the Univ. is in *The University of Wales*, by W. Cadwaladr Davies and W. Lewis Jones (F. E. Robinson & Co.). The introduction to the Report of the Royal Commission on Univ. Education in Wales, 1918, 1s., contains a valuable summary of the history of the University up to 1918.

THE YEAR 1946-47

RECENT DEVELOPMENTS. Approval has been given for the provision of Final courses in Music for the degree of B.A. and for the degree of B.Mus. at the Univ. Coll. of North Wales.

HONORARY DEGREES. *M.A.*—Mr. D. Caxton Davies; Mr. William Noble. *LL.D.*—Mr. D. Alban Davies; Principal C. A. Edwards; Mr. William George; The Rt. Hon. Lord Harlech; Sir Hector Hetherington; Sir James Colquhoun Irvine; Mr. B. Mouat Jones; Sir Ewen J. Maclean; Dr. J. Frederick Mountford; Prof. D. Hughes Parry; Lt.-Col. Sir George Fossett Roberts; Sir Leonard Twiston-Davies; Sir Wynn P. Wheldon; Dr. D. Llewelyn Williams. *D.Litt.*—Dr. Cyril Bailey; Rev. Martin P. Charlesworth; Mr. J. Goronwy Edwards; Sir Cyril Fox; Prof. W. J. Gruffydd. *D.D.*—Rev. Principal David Phillips.

STUDENTS. Total: 4191; full-time: 4071; part-time: 120; the total includes 1232 women and 377 postgraduates.

DEGREES. B.D., 14; B.A., 310; M.A., 6; LL.B., 25; B.Sc., 390; M.Sc., 30; D.Sc., 1; B.Pharm., 5; M. Pharm., 1; M.B., B.Ch., 27; M.D., 1; B.Mus., 1; M.Mus., 2; Ph.D., 5.

UNIVERSITY COLLEGE OF WALES ABERYSTWYTH

Founded 1872

PRESIDENT OF THE COURT OF GOVERNORS AND OF THE COUNCIL—
THOMAS JONES, CH, M.A, LL.D.

VICE-PRESIDENTS—The Rt. Hon. THE EARL OF LISBURN, Lieut.-Col.
SIR GEORGE FOSSETT ROBERTS, C.B., O.B.E., D.L., LL D., J P.

TREASURER—IVOR EVANS, M.A. Ox.

PRINCIPAL—IFOR LESLIE EVANS, M.A. Camb.

VICE-PRINCIPAL—Prof. R. B FORRESTER, M A Edin, M Com. Manc.

REGISTRAR—T. MAELGWYN DAVIES, M A.

LIBRARIAN—ARTHUR AP GWYNN, M A.

Telephone : Aberystwyth 346, 347.

TEACHING STAFF

<i>Agriculture</i> , v. <i>infra</i>	Jenkins, E. N., M.Sc. Asst. Lectr.
<i>Anthropology</i> , v. Geography	<i>Classics</i> , v. Greek and Latin
<i>Arts and Crafts</i> , v. Education	<i>Economics and Pol. Science</i> , v. also Politics
<i>Botany</i>	Forrester, R. B, M A. Edin., M.Com Manc. Prof.
Newton, Mrs. L., M.Sc., Ph D	George, Percy, M.A. Camb, M.Sc. Sr Lectr.
Brist, F.L.S. Prof.	Morris, J. H., M Sc. (Econ.) Lond. Lectr.
Carter, P. W., M.Sc. Sr. Lectr	Guenault, P. H., M.A. Sheff. Lectr.
Wilson, Irene M., M.Sc., Ph.D.	
Lond. Sr. Lectr.	<i>Education</i> (incl. Art and Crafts)
Chater, E. H., B.Sc Lond., M.Sc., F.L.S. Lectr.	Jones, Idwal, M.A. Prof.
Jones, H., M.Sc Lectr	Pinsent, A., M.B.E., M.A. Lond., B.Sc.
<i>Chemistry</i>	Sr. Lectr. and Master of Method.
Davies, C. W., D.Sc, F.R.I.C	Jones, Gwenan, Ph.D. Minn, M A. Sr. Lectr. and Mistress of Method.
Prof.	Creed, Rachel M., M.A. Ox. Lectr.
Hudleston, L. J., M.C., B.Sc. Lond.	Saer, Hywela A., Ph.D. Lond., B.A. Lectr.
Sr Lectr.	
Evans, W. Chas., Ph.D. Manc., M.Sc. (Biochem.) Sp. Lectr.	
Davies, M. M., Ph.D. Camb, M.Sc. Lectr.	
Bowen, J. B., B.Sc. Lectr.	
Monk, C., B.Sc., Ph.D. Lond.	
Lectr.	

Morrison, J. R., M.A., B.Sc. Glas ,
 B.Ed. Edin. Lectr.
 Lewis, W. J., M.Sc. Lond Lectr.
 Gapper, R. L., B.Sc.
 Lectr. (Art and Crafts),
 Curator of Museum
 Nisbet, Scott Asst.
 Davies, Gwenhwyfar
 Pt.-time Asst.
 2 Instrs. in Physical Training.

English Lang and Lit.

Jones, Gwyn, M.A. Rendel Prof.
 Earnshaw, J., M.A. Manc Lectr.
 Armstrong, W. A , M.A. Sheff ,
 Ph.D. Yale Lectr.
 Nosworthy, J. M., B A. Reading
 Lectr.
 Kinsley, J , M.A. Edin , B.A Ox.
 Asst. Lectr.

*French Lang. and Lit. and
 Romance Philol.*

Briggs, E. R., M A., Ph.D. Camb.
 Prof.
 Phillips, Eva M , D. de l'U. Paris,
 M A. Sr. Lectr.
 Williams, J Killa, M A. Lectr.
 Taylor, O. R , M A. Lectr

Geography and Anthropology

Bowen, E. G., M A.
 Gregynog Prof.
 Fogg, W., M.A. Manc. Lectr
 Rees, A. D., M.A Lectr.
 Fisher, C. A , M A. Camb. Lectr.
 Watson, E., M A., Belf. Lectr.
 Brown, E. M., B.Sc Lond.
 Asst. Lectr.

Geology

Wood, A., B Sc. Lond , Ph.D. Liv.
 Prof.
 Challinor, J , M A Camb.
 Sr. Lectr.
 Platt, J. I., M.Sc. Manc.
 Sr. Lectr.

German

Evans, David, M.A. Prof.
 Williams, T. P., M.A. Lectr.

Webber, Kathleen, B.A. Leeds,
 D.Phil. Ox. Lectr.
 Macho, K., Ph D. Vienna Asst.

Greek and Latin

Davies, W. H., M.A.
 Prof of Classics.
 Duff, A M., M.A , B.Litt. Ox.
 Sr. Lectr.
 Hudson - Williams, A., M Litt.
 Camb., B.A. Lectr.
 Wild, L. N , B.A. Ox , M A. Sheff.
 Lectr.
 Bownas, G., B.A. Ox. Asst Lectr.

History

Treharne, R. F., M A , Ph D.
 Manc. Prof.
 Herbert, S., M A.
 (Mod. Hist.) Sr. Lectr.
 Johnston, S F H., M.A , B Litt.
 Ox. Sr. Lectr.
 Sanders, I. J., D.Phil. Ox., M.A.
 Lectr.

Davies, A., M A Lectr.
 Fryde, E. B., B.A., D Phil. Ox.
 Asst. Lectr.

*History, Colonial, v. Politics,
 International*

History, Welsh

Williams, D., A.M Columbia, M A.
 Sir John Williams Prof.
 Pierce, T. J , M A. Liv. Sp. Lectr.

Law, English

Davies, D. J. Ll , M A. Camb.,
 LL B. Prof.
 Unger, J., LL.M Lond. Lectr.
 Griffith, J. A. G , LL.B. Lond.
 Lectr.
 Mitchell, J. D. B., LL B. Lond.

Logic and Philosophy

Aaron, R. I., D.Phil. Ox., M.A.
 Prof
 Davies, Dan, Ph D. Glas., M.A.
 Sr. Lectr.
 Jones, J. R , D Phil Ox , M.A.
 Lectr.

Mathematics, Applied

Lewis, Thos., M.Sc. Indpt. Lectr.
Meyler, Dorothy S., M.Sc. Lectr.
Easthope, C. E., Ph.D. Camb.,
M.Sc. Lectr.

Mathematics, Pure

Morton, V. C., M.A. Ox. Prof.
Williams, D. R., Ph.D. Stras., M.A.
Sr. Lectr.
Meyler, Dorothy S., M.Sc. Lectr.

Music

de Lloyd, David J., Mus.D. Dub.,
B.A., B.Mus. Gregynog Prof.
Clements, Charles, B.Mus.,
F.R.C.O. Lectr.
Clapham, J., D.Mus. Lond. Lectr.

Executants and Teachers

Allen, W. R. (Singing).
Davies, H. (Violin).
Jeremy, Raymond, F.R.A.M.
(Viola).

Philosophy, v. Logic

Physics

Davies, R. M., Ph.D. Camb., D.Sc.,
F.Inst.P. Prof.
Jones, I. C., M.Sc., F.Inst.P.
Sr. Lectr.
Richards, D. A., M.Sc. Lond.,
D.I.C. Lectr.
Evans, G. R., M.Sc. Liv., Ph.D.
Lectr.
Job, E. M., B.Sc. Lectr.
Jones, W. M., D.Phil. Ox., B.Sc.
Asst. Lectr.
r Tech. Asst.

Politics, International

..... Wilson Prof.
John, I. G., M.Sc. Lond., B.A.
Lectr.

Welsh Lang. and Lit.

Parry-Williams, T. H., D.Litt. Ox.,
Ph.D. Freib., M.A., D.Litt.
Prof.
Jones, D. J. Gwenallt, M.A.
Sr. Lectr.

Jones, T., M.A. Sr. Lectr.
Hughes, G. H., M.A. Lectr.

Welsh History, v. History, Welsh

Zoology

Stephenson, T. A., D.Sc. Prof.
Watkin, E. E., D.Sc., Ph.D.
Sr. Lectr.
Rees, Florence G., D.Sc., Ph.D.
Sr. Lectr.
Jones, J. R. E., D.Sc., Ph.D.
Lectr.
Healey, E. G., B.Sc. Lond., Ph.D.
Munich Lectr.

Agriculture and Rural Economy

Nichols, J. E., M.Sc. Durh., Ph.D.
Edin.
(Animal Husbandry) Prof.
Ellison, W., B.Sc., Ph.D. Durh.
(Crop Husbandry) Prof.
Davies, T. R. W., B.Sc. Edin.
Asst. Lectr.

Agric. Botany

Jenkin, T. J., D.Sc. Prof.
Thomas, P. T., B.Sc., Ph.D.
Lectr.

Agric. Chemistry

Davies, R.O., M.Sc., F.R.I.C.
Ind. Lectr.
Ashton, W. M., B.Sc., Ph.D.
Lectr.

Agric. Economics

Nash, E. F., M.A. Ox.
Prof. and Adviser.
Howell, J. Pryse, M.Sc.
Asst. Adviser.
Phillips, J. R. E., M.A., Agric.
Economist

Asst. Agric Economists

Griffiths, J. D.
Jones, T. G., B.Sc.
Price, O. T. W., B.Sc.
Roberts, B. H., B.Sc.
Hooper, Ada D., M.A.
Johnson, Eira, B.A. Lond

Agric. Zoology, v. Zool. supra

Animal Health

Worden, Alastair N., M A. Camb.,
B.Sc. Lond.

Milford Prof. and Dir.

Phillips, Richard, M.Sc. Asst Dir.

Evans, W Chas, Ph D Manc,
M.Sc. (Biochem.) Sp. Lectr.

Walker, Norman, Ph D. Leeds
(Bacteriol) Lectr.

Thomas, T. Roger.

Consulting Veterinary Surgeon.

Assistants (Animal Husbandry)

England, G J., B A. Camb.

Evans, Ll. R.

Fisher, M., B Sc.

Lewis, J., B Sc

Assistants (Pathol)

Evans, E. T. Rees, B.Sc Lond.

Roberts, H. E., B.Sc. Lond.

Dairying

Lewis, John Director of Dairry.

Billing, Eve, B Sc. Reading

(Dairy Bact) Asst. Lectr.

Nelson, Mary A. Asst.

Poultry Manager.

Plant-Breeding Station

Jenkin, Prof T. J, D Sc. Director

Research Officers 1/c Investigations

Jones, E. T, M Sc.

Evans, Gwilym, M Sc.

Jones, Ll I, B Sc.

Beddows, A. R., M Sc

Williams, W, B Sc

Graded Research Officers

Price, C D., M.Sc.

Milton, W. E. J., M Sc.

Phillips, Ll, B.Sc

Griffiths, D. J, B Sc

Research Assistants

Miles, D. G., B.Sc.

Davies, W. E., B Sc.

Roberts, H. M., B.Sc.

Cooper, J P, B.Sc. Reading.

Hughes, R, B.Sc.

Jones, Rhoda P., B.A. Translator.

University Extension

Edwards, Sir Ifan ap Owen, M.A.

Ox., M.A.

Director of Extra-mural
Studies

Residential Tutors

Lewis, D. Hughes, B A.

Thomas, Brynmor, B.A.

119 Tutors

GENERAL INFORMATION

Founded in 1872, the College was incorporated by Royal Charter in 1889, and is a constituent College of the Univ. of Wales. Its main building and Students' Hostels are on the sea front, facing Cardigan Bay.

LIBRARIES. College, 101,400 vols. and 12,700 pamphlets. Access to the National Library of Wales, founded in 1907, Copyright Library since 1912, over 1,000,000 printed works (books, pamphlets, newspapers, journals), 25,000 manuscript vols., and about 3,500,000 deeds and other documents, together with a very large collection of maps, prints and drawings. It has a general reference library which specializes also in printed books, manuscripts and graphic material relating to Wales and the other Celtic countries.

MUSEUMS: Archæol., Bot, Chem., Ethnog., Geog., Geol., Zool., Gallery of Arts and Crafts. Agric. Expl. and Plant-Breeding Stations.

FACULTIES. Arts, Science, Rural Sci., Law, Music. *Departments:* Agriculture, Teaching (Elem. and Secondary), Art and Handicraft, Extra-mural, Phonetics. A special feature is the ample provision for instruction and research in International Politics, Agriculture and Animal Health.

Courses in Arts, Science, Rural Sci., Law, Music, for Degrees of the Univ. of Wales and for University Diplomas in Agricultural Science and Education.

College Diploma courses: Anthropology, 2 yrs.; Dairying, 2 yrs.; Geography, 1 yr.; Biology, 1 yr.; Art, 2 yrs.; Handicraft, 2 yrs.

Courses in Science meet the requirements of the first year of Medical study, the exams of the Pharmaceutical Society, and other bodies.

Postgraduate courses (1 yr.) for Teachers, and in Agric.

RESEARCH work is systematically carried on in all Departments.

ANNUAL FEES for tuition in Arts, £20; Science, £25; Research students, 6 to 10 gs.; Registration, £1 : 1s.

SCHOLARSHIPS FOR GRADUATES. Research, value £25 to £150, open to students of the College. See also under Univ. *Travelling Grants* for visiting Continental institutions, total, £500. Grant varies according to expenses incurred. Sir John Williams Research Studentships for Welsh Studies.

RESIDENCE. There are two hostels for women (Alexandra Hall and Carpenter Hall) accommodating about 300 students. Enquiries should be addressed to the Registrar. Fee for board and residence, £75 per session. There is a Hostel for men students (Warden: Mr. T. P. Williams, M.A.). Enquiries should be addressed to the Registrar. Fee for board and residence, £75 per session.

MEDICAL SCHEME. Comprehensive system of insurance compulsory for all full-time students; capitation fee, £1 p.a.

UNIVERSITY EXTENSION. Extra-mural classes in many subjects.

AFFILIATION. The Coll. is recognized by Ox. and Camb., and by Edin. and N.U.I., by certain of the medical examining bodies, by the Royal College of Veterinary Surgeons and by the Institute of Chemistry.

PUBLICATIONS. *Prospectus* (May); *Reports* (Oct.), 1s. 2d., post free; Students' Magazine, *The Dragon*; Inaugural Lectures.

THE YEAR 1946-47

BENEFACTIONS. *Department of Animal Health*: The Rt. Hon. Lord Milford, £2200*; The Hon. Gwenllïan Philipps, £500*. *Agricultural Development Fund*: Dr. D. Alban Davies, £10,000; Col. E. Harewood Williams, £500*; Mr. W. L. Davies, £150*; Messrs. Cooper, McDougall and Robertson, £2000; Imperial Chemical Industries, Ltd., £500; Scottish Agricultural Industries, Ltd., £150. *Scholarship Funds*: Mr. G. A. Edmunds, £10*; Sir Roger Thomas, C.I.E., £1000; Mr. David Hamwee, B.A., £125. *General Purposes*: The late Sir David C. Roberts, £450; His Grace the Duke of Westminster, £28. *Welsh Plant Breeding Station*: The Seed Trade Assoc. of the U.K. Inc., £84; Mr. P. R. J. McMorland, £21 : 3 : 6.

EXTRA-MURAL WORK. Classes were held at 195 centres (35 Tutorial Classes, 23 Sessional Classes, 85 Terminal Courses and 52 Short Courses).

DEATH. Prof. H. P. Lewis (Geol.).

RETIREMENT. Prof. E. D. T. Jenkins (Classics).

STUDENTS. Total: 1027; full-time: 1031; part-time: 6; the total includes 340 women and 199 postgraduates. Extra-mural, 3136.

DEGREES OBTAINED. B.A., 98; M.A., 3; LL.B., 17; B.Sc., 85; M.Sc., 12; Ph.D., 2.

* Excludes Income Tax recoverable.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR

Founded 1885

PRESIDENT—The Rt. Hon. LORD KENYON.

CHAIRMAN OF THE COUNCIL—G. A. HUMPHREYS, J.P., LL.D., F.S.A.

PRINCIPAL—D. EMRYS EVANS, M.A., B.Litt. Ox.

SECRETARY AND REGISTRAR—GLYN ROBERTS, M.A.

LIBRARIAN—E. G. JONES, M.A.

Telephone : Registrar—Bangor 501.

TEACHING STAFF

Agriculture, v. infra

Botany

[Prof.
Thoday, D., M.A., Sc.D. Camb.
Davey, A. Jane, M.Sc. Lond.

Sr Lectr.

Woodhead, N., M.Sc. Manc. Lectr.

Jackson, G. A. D., B.Sc., Ph.D.
Durh. Asst. Lectr.

Tweed, R. D.

Hon. Keeper of the
Herbarium

Chemistry

Hughes, E. D., Ph.D., D.Sc. Lond.,
F.R.I.C. Prof.

Angus, W. Rogie, M.A., D.Sc.
Aberd., Ph.D. Lond., F.R.I.C.

(Physical C.) Sr. Lectr.

Dostrovsky, I., Ph.D. Lond. Lectr.

Graham, J., Ph.D. Lond. Lectr.

Llewellyn, D. R., B.Sc. Birm.,
D.Phil. Ox. Lectr.

Brown, F., Ph.D. Cantab.
Asst. Lectr.

Classics

Wycherley, R. E., M.A. (Greek)
Prof.

Hudson-Williams, T., M.A., D.Lit.
Lond. (Greek) Prof. Emeritus.

Thomson, H. J., M.A. Ox., D.Litt.
St And. (Latin) Prof.

Lees, Madeleine E., M.A. Manc.

(Latin) Lectr.

Browne, R. A., Ph.D. Camb., M.A.
Lectr.

Jones, D. M., M.A. Ox. Lectr.

Economics

Rees, J. Morgan, M.A. Prof.

Pritchard, D. Dylan, M.A.
Asst. Lectr.

Scammell, W. M., B.Com. Belf.

Asst. Lectr.

Gray, M., M.A. Aberd. Asst. Lectr.

Education

Jenkins, D. W. T., M.A. Ox. Prof.

Archer, R. L., M.A. Ox.
Prof. Emeritus.

Rogers, J., Ph.D. Sr. Lectr.

Lewis, Mrs H. D., M.A.

Lectr. and Tutor of
Women Students.

Thomas, Myfanwy (Design) Lectr.

Williams, Ivor, B.Sc. Lectr.

Clegg, F. E., M.A. Camb. Lectr.

Jones, David
Instructor in Rural
Science.

Gibson, Mrs. A. I. P.T. for Women.

Electrical Engineering

Williams, Emrys, B.Eng., Ph.D.

Liv. Prof.

- Morris, D. G. O., M.Sc. Lectr.
 Jones, D. Collister, B.Sc. Asst. Lectr.
 Temp. Asst. Lectr.
 Russell, G. M., B.Sc. (Eng.) Lond. Asst. Lectr.
 (Mech. Engin.)
- English Lang. and Lit.*
 Wright, H. G., M.A. Manc. Prof.
 King, R. W., M.A. Lond. Sr. Lectr.
 Davies, C., M.A. Sr. Lectr.
- Forestry*
 Mobbs, E. C., O.B.E., M.A. Camb.,
 B.Sc. Lond. Prof.
 Thomson, T., M.Sc. Emeritus Prof.
 Owen, T. H., B.Sc. Lectr.
 Molesworth, Col. F. C. Sp. Lectr.
 Sutherland, J. W. R. Temp. Lectr.
 Dobbs, C. G., Ph.D. Lond.
 (Forest Botany) Lectr.
- French and Romance Philol.*
 Jones, P. Mansell, M.A. Camb. and
 Wales, B.Litt. Ox. Prof.
 Cariou, Helene Lectrice.
 Robson, C. A., M.A. Ox., B.Litt.
 Ox. Lectr.
 Watkins, J. H., B.A. Asst. Lectr.
- German and Teutonic Philol.*
 Cunningham, Kathleen, M.A. Dub.,
 Ph.D. Bonn Indpt. Lectr.
 Stuart, Mrs. H. S. M., B.A., Ph.D.
 Lond. Asst. Lectr.
- Hebrew and Biblical History and Literature*
 North, C. R., M.A. Lond., Hon.
 D.D. Aberd. Prof.
 Ap-Thomas, D. R., M.A. Ox., B.D.
 Lond., B.A. (Hebrew) Lectr.
 Roberts, Rev. Bledodyn, M.A., B.D.
 (Bib. Hist. and Lit.) Lectr.
- History, v. also Theol.*
 Dodd, A. H., M.A. Ox. Prof.
 Thomas, J. Alun, Ph.D. Lond.,
 M.A. Sr. Lectr.
- Apps, M. Una, Ph.D. Leeds
 Asst. Lectr.
 Lewis, R. A., B.A. Birm.
 Asst. Lectr.
- History, Welsh*
 Jenkins, R. T., M.A., D.Litt.
 Camb., B.A., F.S.A. Prof.
- Law*
 (In co-op. with Univ. Coll.,
 Aberystwyth. See there-
 under.)
- Logic and Philosophy, v. also Theol.*
 Lewis, H. D., B.Litt. Ox., M.A.
 Prof.
 Jones, H. Morris, B.Litt. Ox., B.A.
 Lectr.
 Hughes, G. E., M.A. Glas. Lectr.
- Mathematics*
 Cowling, T. G., M.A., D.Phil. Ox.,
 F.R.S. Prof.
 Phillips, E. G., M.A. Camb., M.Sc.
 Manc. Sr. Lectr.
 Newing, R. A., B.Sc., Ph.D.
 Sr. Lectr.
- Music*
 Williams, D. E. Parry, D.Mus.,
 B.Sc. Director.
 Davies, E. T., F.R.C.O.
 Director Emeritus.
 5 Executants and Teachers.
- Philosophy, v. Logic and Theol.*
- Physics*
 Owen, E. A., M.A., Sc.D. Camb.,
 D.Sc. Lond., M.Sc., F.Inst.P.
 Prof.
 Mainstone, P. A., M.Sc. Bris.,
 F.I.P. Sr. Lectr.
 Jones, H. Irvon, M.Sc. Lectr.
 Wright, P., Ph.D. Wales and
 Camb., F.I.P. Lectr.
 Morris, D. P., B.Sc. Lectr.
 Jones, J. H., B.Sc. Asst. Lectr.

- Theology*, v. also Hebrew and
Bib. Hist. and Lit.
Special Lecturers
Davies, Rev. Prof. W. T. Pennar,
B.A., B.Litt., Ph D (Church
Hist.).
North, Rev. Prof. C. R., M A
Lond., Hon. D D Aberd. (Old
Testament and Semitics).
Ap-Thomas, D. R., M.A., B.D
(Old Test. and Semitics).
Lewis, Prof. Hywel D., M.A.,
B Litt Ox. (Theism and Phil
of Relig.)
Bowyer, Rev. Principal Gwilym,
B.A., B.D. (Christian Doc-
trine).
Hughes, Rev. Princ. J. Williams,
M.A., B.D. (New Test.)
Richards, T., M.A., D.Litt.
(Church Hist.).
Jones, Rev. Prof. T. Ellis, M.A.,
B.D. (Holy Scriptures).
Williams, Rev. G. O., M.A (New
Test.).
Jenkins, Prof. R. T., M.A., D.Litt.,
F.S.A. (Church Hist.)
- Welsh*
Parry, T., M.A. Prof.
Williams, Sir Ifor, M.A., D.Litt.,
F.B.A., F.S.A. Emeritus Prof.
Williams, J. E. Caerwyn, M.A.,
B.D. Asst Lectr
Roberts, E. P., M.A. Asst. Lectr
- Zoology*
Brambell, F. W. Rogers, B.A.,
Ph.D. Dub., D.Sc. Lond. Prof
Jackson, L. H., B.Sc. Lond. Lectr.
Reynoldson, T. B., Ph D Leeds. Lectr
- Henderson, Megan, B.Sc. Asst. Lectr.
Jones, G. Burdon, B.Sc. Asst. Lectr.
Hemmings, W. A., B.A. Ox. Research Asst.
Parry, Helen J., B.Sc. Research Asst.
- Agriculture**
Roberts, E. J., M.Sc., M A. Camb Prof.
Davies, G. M., B.Sc. Lectr.
Williams, G. L., B.Sc. Asst. Lectr.
- Agric. Botany* [Prof.
Roberts, R. Alun, B.Sc., Ph.D.
Hughes, R. Elfyn, B.Sc., Ph.D. Lectr.
Parry, D. W., M.Sc. Asst. Lectr.
Whitehead, T., M.Sc., Ph.D. Hon. Lectr.
- Agric. Chemistry*
Robinson, G. W., C.B.E., M.A.,
Sc.D. Camb. Prof.
McLean, W., B.A., D.Sc. Dub. Sr. Lectr.
Davies, R. I., M.Sc. Liv. Lectr.
- Agric. Zoology*
Hobart, J., B.Sc. Lond. Asst. Lectr.
Jacob, F. H., M.Sc. Hon. Lectr.
- University Extension**
Whole-time Lectrs : Jones, E. J.,
M.A.; Rogers, E., M.A.;
Jones, A. E., B.A.; Jenkins,
E., B.A.; Jones, F. P., B.A.
- Many other members of the
Staff give single courses or
combine in giving a series.

GENERAL INFORMATION

This College, constituted by Royal Charter in 1885, was made a constituent College of the University in 1893.

LIBRARIES. General, 150,000 vols. (Theology a strong feature). Welsh, 50,000, including the largest and best-equipped collection of Welsh periodicals

in existence. MUSEUMS include: (a) a Museum of Welsh Antiquities; (b) a Zoological section comprising a large collection of vertebrate and invertebrate animals and a collection of human bones representative of the different races of mankind; (c) a collection of Welsh domestic and agricultural by-gones together with Roman finds from Segontium and Capel Curig. FARM, 675 acres, chiefly sheep pasturage. Dairy.

Special facilities are offered for research in Welsh Lang. and Lit., Political, Social, Econ., and Religious Hist. of Wales, and allied subjects.

COURSES. B.A. degree courses include among others a "special scheme of study based on the idea of citizenship." There are courses in Theology for B.D. degree, and full courses for the B.Sc. in Agric. and Rural Economy, Forestry, Electrical Engineering, as well as in Pure Sc. College *Diploma* courses in Theology. Courses for College Certificates (2) in Music. Other courses: First yr. of Med. study; 1st yr. Veterinary Science; 1st yr. of B. Pharmacy course; 1st yr. of B. Architecture; 1 yr. postgraduate course for Teachers.

FEES. Registration, 1 g. per session. Tuition, per session: Arts, £20; Science, £25; Medicine, 1st yr. (including lab.), £28; Postgraduate courses, non-lab., 6 gs.; with lab., 10 gs.; Farm Practical Instruction, £5 (or 2 gs. a term). College societies (compulsory), £2.

SCHOLARSHIPS, ETC., FOR GRADUATES. Several College awards ranging in value from £25 to £100, open to students of the College. Loan fund (£458) for helping poor students to complete courses; also University Studentships of £150 and Fellowships of £200. See also under Univ.

RESIDENCE. Neuadd Reichel (Warden: Rev. D. W. Gundry, M.Th.) provides accommodation for 70 men (fee, £80 p.a.) and University Hall with its annexes for 100 women (fee, £75 p.a.). The Warden of Women Students is also Warden of University Hall. Total cost of living in lodgings and tuition in Bangor from £115 to £130 p.a.

WARDEN OF WOMEN STUDENTS. Miss M. T. Martin, Ph.D.

UNIVERSITY EXTENSION, ETC. Local lectures in Literature, Econ., and Agric.; small lending libraries; Tutorial and Preparatory Classes in six counties. The Advisers in Agriculture conduct experiments and give expert advice to farmers and others.

PUBLICATIONS. *Calendar* (Oct.), 2s. 6d. (temporarily discontinued since 1939); *Students' Handbook*, 1s.; *College Magazine*, one issue per term, 1s.; Prospectus free.

THE YEAR 1946-47

BENEFACTIONS. During the Session, the College received the following bequests: Mr. Howell Buckland Jones, £2000 for the endowment of a Graduate Scholp. in Agric.; Mr. O. G. Roberts, £4500 towards the furtherance of technical education in North Wales; Mr. D. H. Davies, £1000 (House).

UNIVERSITY EXTENSION. 27 Tutorial Classes, 31 Univ. Sessional Courses, and 2 Terminal Classes with 1025 students (402 women), chiefly in Philos., Literature, Econ., Soc. and Polt. Studies, Music and Drama. Bangor Summer School, under the auspices of a Cttee. representing Joint Tutorial Classes of Univ. Coll. of North Wales and Univ. of Manchester, was at Neuadd Reichel in July and Aug., 1947, for 34th successive year.

RETIREMENTS AND RESIGNATIONS. Mr. Miles Coverdale (Music); Miss D. Dandison (Music); Miss Elsbeth Evans, B.A., Warden of Univ. Hall and

Warden of Women Students; Miss B. J. Maitland, Ph.D. (Maths.); Mr. T. Richards, M.A., D.Litt., Librarian; Mr. P. F. Strawson, B.A. (Philos.); Prof. T. Thomson, M.Sc., Hd. of Dept. of Forestry; Prof. Sir Ifor Williams, Hd. of Dept. of Welsh Lang. and Lit.; Prof. W. E. Williams, Hd. of the Sir T. D. Owen Dept. of El. Engin.; Prof. W. Moses Williams, M.A., Hd. of Dept. of Educn.

DEATHS. The Most Hon. the Marquis of Anglesey, President of the Coll.; Mr. O. Glynne Roberts, C.B.E., Chairman of the Finance and General Purposes Cttee. and of the Neuadd Reichel Cttee.; Emeritus Prof. Sir John E. Lloyd, M.A., D.Litt., F.B.A.; Prof. D. James Jones, M.A., Hd. of Dept. of Philos.

STUDENTS. Total: 757; full-time: 738; part-time: 19; the total includes 214 women and 92 postgraduates.

DEGREES OBTAINED. B.D., 1; B.A., 36; M.A., 1; B.Sc., 63; M.Sc., 4; Ph.D., 2.

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF

Founded 1883

PRESIDENT—The Right Hon. VISCOUNT KEMSLEY.

TREASURER—L. DAVIES LEWIS.

PRINCIPAL—Sir FREDERICK REES, M.A., M.Com., LL.D.

REGISTRAR—LOUIS S. THOMAS.

LIBRARIAN—S. O. MOFFET, M.A. Manc.

Telegrams : Coleg, Cardiff.

Telephone : Cardiff 9160.

TEACHING STAFF

Anatomy

West, C. McL., M.C., Sc.D, M.B.,
B.Ch., B.A.O. Dub. Prof.

Jacoby, F., M.D. Berlin, Ph.D.
Birm. (Histol.) Lectr.

Martin, B., B.Sc., M.B., B.Ch.
(Histol.) Asst. Lectr.

Parry, J. N. M., M.B., B.S. Lond.
Asst. Lectr.

Wheeler, K. M., M.B., B.Ch.
Asst. Lectr.

Irvine, G., M.B., B.Ch. Edin.
Demr.

Moffat, D. B. Demr.

Archæology

Nash-Williams, V.E., M.A., D.Litt.
(Keeper of Dept. of A. in Nat.
Museum) Lectr.

Architecture

Lewis, J., M.A., B.Arch. Lectr.

Botany

McLean, R. C., M.A. Camb., D.Sc.
Lond., F.L.S. Prof.

Percival, Mary S., B.Sc. Edin.
Lectr.

Cook, W. R. Ivimey, Ph.D. Lond.,
F.L.S. Lectr.

Sharman, B. C., Ph.D. Leeds
Lectr.

Audus, L. J., M.A., Ph.D.

(Plant Physiol.) Lectr
Hyde, H. A., M.A. Camb., F.L.S.
(Econ. Bot.) Hon. Lectr.
and Keeper of Bot. in
Nat. Museum.

Chemistry, v. also Physiol.

Jones, W. J., D.Sc. Manc., M.Sc.,
F.R.I.C., F.Inst.P. Prof.

Bassett, H. Ll., M.A. Camb.,
B.Sc. Lond. (Organic C.)

Lectr.
Cullinane, N. M., D.Sc. N.U.I.,
M.Sc., F.R.I.C. Lectr.

Bowden, S. T., D.Sc. Leiden,
D.Sc. Wales, M.Sc. Michigan,
F.R.I.C. Sr. Lectr.

Chard, S. J. H., B.Sc. Lectr.

Purnell, J. H., B.Sc. Asst. Lectr.

Thorne, N., B.Sc. Asst. Lectr.

Classics

Richardson, L. J. D., M.A. Wales
and Dub. (Greek) Prof.

Austin, R. G., M.A. Ox.
(Latin) Prof.

Cadoux, T. J., M.A. Ox. Lectr.

Armstrong, A. H., M.A. Camb.
Lectr.

Tetsall, R. G., B.A. Camb.
Asst. Lectr.

White, Sheila, B A. Liv.

Asst. Lectr.

Economics and Pol. Science

Thomas, Brinley, Ph.D. Lond.,

M.A. Prof.

Parris, S. C., B.Sc. (Econ.) Lond.

Lectr.

Birmingham, W. B., B Sc (Econ.)

Lond Lectr.

Jukes, M. P, M.A Ox.

(Soc. Study) Tutor.

Drinkwater, R. W, B A. Camb.

(Soc. Science) Asst. Tutor.

Rees, Mrs. Ruth

(Soc. Science) Asst. Tutor.

Education

Wheeler, Olive A., D.Sc. Lond.,

M.Sc., F.Psych S. Prof

Lecturers

Amos, Rev. A. D, B Sc Lond.,

M.A. (and Master of Method).

Morris, Eliz. M. D., M.A Lond.,

B.A.

Jones, W. R, M A.

Mulrenan, B. W., B A. Sheff.

Stewart, W. A C., M.A. Lond

Simpson, E. B, B Sc. Lond

Griffith, Mignon B.

Greenland, Gwenda M., M.A.,

D.Litt

Evans, L. Wynne, M A.

Bull, Beryl M., B.A. Asst. Lectr.

Williams, Ethel M. Asst. Lectr.

Engineering

Thomas, W. N, C.B.E., M.A.,

D.Phil. Ox, M.Sc., D.Sc.

Birm Prof

Foster, P. F, B Sc Lond., M.Sc.

Lectr.

Sheen, F. V., B.Sc., M.Sc. Lectr

Bannister, J L, B.Sc. Tech.

Manc Lectr.

Cowan, H. J., M.Sc. Asst. Lectr

Bray, R. O., B.Sc. Lond.

Asst. Lectr.

1 Technical Asst.

English Lang and Lit.

Llewellyn, E. C., M.A., B.Litt. Ox.,

B A. Prof

Bethell, S. L., M.A. Camb.

Sr Lectr.

Merchant, Rev. W. Moelwyn, B.A.

Lectr.

Thomas, R. G., M.A, Ph D.

Lectr.

Williams, Kathleen M., B.A. Ox.

Asst. Lectr.

Heath, Mrs. Catherine J., B A.

Ox. Asst. Lectr

French and Romance Philology

Thomas, J. Heywood, M A.,

D.U.P. Prof.

Urwin, K., M.A Sheff, D. de l'U

Paris Sr. Lectr.

Laurie, Helen C. R., M.A. Glas

Asst. Lectr

Butler, P. F., L. ès L. Lausanne

Asst. Lectr.

O'Sharkey, E. M., M.A. Dub.

Asst. Lectr.

Geology

Cox, A. H., D.Sc. Birm., Ph D.

Stras. Prof.

Evans, W. D., Ph.D. Lond, M.Sc.

Lectr.

Baker, J. W., B.Sc. Birm.

Asst. Lectr.

Blundell, R. K., B Sc., F.G S.

Asst. Lectr.

German

Robson Scott, Elaine, M.A.

Indep. Lect. and Hd. of

Dept.

Haas, V., M A. Lectr.

Jones, Mrs. V. Isabel, M.A. Edin.

Asst. Lectr.

Histology, v Anat.

History

..... Prof

Rees, W., D.Sc. Lond., M.A.

Acting Hd. of Dept.

Whale, Gwendolyn B. M., B.Litt.

Ox., B.A. Lectr.

Powell, Ifor B., B.A. Lectr.

Marshall, Dorothy, Ph.D. Camb.
Lectr.

Roots, I. A., M.A. Ox. Asst. Lectr
Loyn, H. R., B.A. Asst. Lectr.

History of Wales

Rees, Wm., D.Sc. Lond., M.A.
Prof.

Industrial Relations

Beacham, A., M.A. Liv., Ph.D.
Belf., B.A. Prof.

Italian

Morse, B. J., M.A. Lectr.

Law

Jenkins, H. J. S., M.A., B.C.L.
Temp. Lectr. and Dir. of
Legal Studies.

Mathematics

Livens, G. H., M.A. Camb. Prof.
Pope, A. H., M.Sc. Lond. Lectr.

Rowland, E. N., M.A., Ph.D.
Camb. Lectr.

Morris, Rosa M., B.Sc., Ph.D.
Camb. Sr. Lectr.

Stephens, Kathleen M., B.Sc.
Lond. Asst. Lectr.

Metallurgy and Fuel Technology

Jones, W. R. D., D.Sc. Prof.
Evans, Thomas, B.Sc.

(Fuel Technol.) Sr. Lectr.
Carpenter, D. L., B.Sc.

(Fuel Technol.) Asst. Lectr.
Garwood, L. R., B.Sc. Asst. Lectr.

Hopkins, A. D., M.Sc. Asst. Lectr.

Mining

Sinclair, J., M.Eng., Ph.D. Sheff.
Prof.

Probert, L., B.Sc. Lectr.

Legg, R., B.Sc. Lond. Asst. Lectr.

Platt, J., B.Sc. Asst. Lectr.

Music

Morgan, Joseph, D.Mus., F.R.C.O.
Prof.

Piggott, P. Lectr.

Bruce, I. M., M.A., B.Mus. Edin.
Asst. Lectr.

Collier, D. G., M.Mus. Asst. Lectr.

Bruce, Robert, D.F.C., B.Mus.
Edin. Asst. Lectr.

Teachers

Kelsey, F. (Singing).

Bossert, R. (Violin).

Mutter, G. N. (Viola).

Chapman, C. (Clarinet).

Isaac, G. (Cello).

Botterill, B. (Harp).

Haigh, E. C. (Double Bass).

Evans, Hilary (Flute).

Popperwell, S. (Violinist).

Rendell, E. J., D.Mus. Durh.,
F.R.C.O. (Organ and Piano).

Philosophy

de Selincourt, O., M.A. Ox. Prof.
..... Lectr.

Brunton, J. A., B.A. Ox.
Asst. Lectr.

Physics

Dunbar, R. T., M.A., Ph.D. Edin.,
F.Inst.P. Prof.

Wilson, A. J. C., M.Sc., Ph.D.
Sr. Lectr.

Young, C. L., B.Sc. Lectr.

Harker, G. F. H., M.A. Camb.
Lectr.

Rowland, E. N., M.A., Ph.D.
Lectr.

Wood, R. G., M.Sc. Manc.
Hon. Lectr.

Hughes, J. W., Ph.D. Lectr.

Howells, R. G., B.Sc. Asst. Lectr.

Physiology

Peterson, J. M., D.Sc. Aberd.
Prof.

Pryde, J., B.Sc. St. And., D.Sc.
Lectr. (Physiol. Chem.)

and Asst. Lectr. &
Demr. (Physiol.).

Jordan, R. C., B.Sc., Ph.D. Lond.
Lectr.

Waters, E. T., Ph.D., D.Sc. Lectr.

Stone, S. L., B.Sc., M.B., B.Ch.
Demr.

Semitic Languages

Johnson, A. R., Ph.D. Prof.

Rowlands, Rev. E. R., B.A. Camb., M.A.	Lectr.	Jefferson, G. T., B.Sc. (Entomology) Asst. Lectr. & Demr.
<i>Welsh</i>		Evans, W. A. L., B.Sc. Asst. Lectr.
Williams, G. J., M.A.	Prof.	University Extension Organizing Tutors D. E. Evans, M.A. ; Iwan Morgan, M.A. Joint Secy.—Louis S. Thomas. 35 Tutors.
Morgan, T. J., M.A.	Sr. Lectr.	
Jarman, A. O. H., M.A.	Lectr.	
<i>Zoology & Comparative Anatomy</i>		
Brough, James, D.Sc. Manc. Prof.		
Sheppard, Edith M., M.Sc.	Lectr.	
Purchon, R. D., B.Sc., Ph.D. Bris.	Lectr.	

ASSOCIATED INSTITUTIONS

TECHNICAL COLLEGE, CARDIFF. Principal, A. Harvey, Ph.D., B.Sc., F.Inst.P.

SOUTH WALES AND MONMOUTHSHIRE SCHOOL OF MINES, TREFOREST. Acting Principal, Robert James.

Both Institutions join with the University College in granting Diplomas, v. *infra*: College Diplomas.

GENERAL INFORMATION

Opened in 1883 and incorporated by Royal Charter in 1884, this is now one of the constituent Colleges of the Univ. For early history, see *Yearbook*, 1929.

A Supplemental Charter was granted to the College on Jan. 21, 1931, and a Charter of Incorporation to the Welsh National School of Medicine on Feb. 5, 1931.

Medical students pursue their preliminary medical studies at the Coll. and their clinical studies at the Welsh National School.

LIBRARY: Drapers' Company's, 105,443 vols. MUSEUMS: Anat., Zool., Agric. The National Museum of Wales (Art, Archæol., Zool., Geol., Bot.) is located in an adjoining building. LABORATORIES: Physical Research, with liquid-air plant, etc.; Engineering (including 100-ton testing machine); and usual Science and Medical teaching and Research labs.

FACULTIES. Arts, Science, Theology. *Departments*: Music, Applied Science and Technology, Teachers' Training; Law.

COLLEGE DIPLOMAS. Engin., Metalliferous Mining, Metallurgy; Lang., Lit. and Hist. of Wales; Econ. and allied subjects; Music; Social Science. In the Applied Science subjects the qualifying scheme of study covers 3 yrs.; in the other subjects, 2 yrs. A Diploma in Biology and a Diploma in Palæography and Allied Subjects awarded after a one-year's course. A Joint Diploma in Coal Mining is granted by the Coll. and the S.W. and Monmouthshire School of Mines, 4 yrs.' residence being required. After a 4 yrs.' course students who desire to specialize in certain subjects can take a post-diploma course. A Joint Diploma in Mech. Engin. or Marine Engin., or Architecture or Commerce, is granted by this Coll. and the Cardiff Tech. Coll. after a 3 yrs.' course; a Diploma in Chem. Engin. after completion of a post-diploma course extending over at least 1 yr.; and a Joint Diploma in Commerce after completion of a postgraduate course extending over 1 yr., under approved regulations.

SCHOLARSHIPS (Prospectus obtainable from the Registrar). *See also under Univ.*

FEEs. Annual Composition for tuition—Arts, £20; Science, £25; Music, £20; Applied Science, £25 (Non-associated Counties, £35); Medical (first 3 yrs.), £25 to £35; Research, 6 to 10 gs.; Registration, £1: 1s. p.a.

RESIDENCE. 1 Hostel for women: Aberdare Hall—Warden: Miss E. Olwen Parry, M.A.. Sessional Fees, £60 to £72. Board and Lodging in the City can be obtained from £1: 15s. per week.

PHYSICAL WELFARE OF STUDENTS. There is a Lecturer in Physical Training for men and an Assistant Lecturer for women, who act as College Advisers in Physical Training and Games.

PUBLICATIONS. *Calendar* (Feb.), 2s.; *A Short History of the College*, 2s. 6d.; *Students' Handbook*; *Cap and Gown*. Information regarding Courses and Careers open to Students of Science.

THE YEAR 1946-47

BENEFACTIONS. General Purposes Fund, £961: 13: 4; Special Funds, Scholarships, Prizes, etc., £1292: 16: 8; Bequests, £4900; Appeal Fund, £143.

EXTRA-MURAL WORK. 65 Classes and Courses were held during the Session, distributed as follows: University Tutorial Classes, 24; University Sessional Classes, 35; Short Courses of meetings' duration, 6. Total number of students in attendance during the Session, 1123.

RESIGNATIONS. Eiddwon Beddow, Asst. Lectr. (Educn. and Teachers' Trg. Dept.), on appt. to Levenshulme High School, Manchester; A. L. Carr, Asst. Lectr. and Demr. (Metallurgy), on appt. to The Mondnickel Co., Birmingham; C. S. Chubb, Lectr. (Mining), to take up appt. under the National Coal Board as Director of Mining Educn., South Western Region; J. H. Griffiths, Lectr. (Mining), to take up appt. in the Powell Duffryn Research Laboratories; F. B. Hinsley, Lectr. (Mining), on appt. as Prof. of Mining, Univ. Coll., Nottingham; Evan J. Jones, Lectr. (Educn. and in Welsh Method), on appt. as Prof. of Educn., Univ. Coll., Swansea; Kathleen Jones, Asst. Lectr. (French); C. W. D. Lewis, Asst. Lectr. and Demr. (Anat.), to take up appt. in the Cardiff Royal Infirmary; E. W. Walls, Lectr. (Anat.), to take up appt. in the Middlesex Hosp. Med. Sch., Dept. of Anat.

DEATH. Prof. T. David Jones, C.B.E., M.Sc., Ph.D. (Birm.), F.G.S., formerly Professor of Mining.

RETIREMENTS. Prof. T. Graham Brown (Physiol.); T. H. Burlend, Lectr. (Histol. and Embryol.).

STUDENTS. Total: 1526; full-time: 1450; part-time: 76; the total includes 407 women and 76 postgraduates.

DEGREES. B.D., 2; B.A., 130; M.A., 1; B.Sc., 143; M.Sc., 10; D.Sc., 1; B.Mus., 1; M.Mus., 2; M.B., B.Ch., 27; M.D., 1; B.Pharm., 5; M.Pharm., 1; D.Litt., 1.

UNIVERSITY COLLEGE OF SWANSEA

Founded 1920

PRESIDENT—SIR GEORGE BARSTOW, K.C.B., LL.D.

PRINCIPAL—J. S. FULTON, M.A. Ox.

REGISTRAR—EDWIN DREW, M.A.

LIBRARIAN—OLIVE M. BUSBY, M.A. Lond.

Telephone : Swansea 56805.

TEACHING STAFF

Biology

Mockeridge, Florence A., D.Sc.

Lond., F.L.S. (Bot.) Prof.

Wilkinson, J., Ph.D. Durh. (Bot.)

Lectr.

Little, Percy A., B.Sc., Ph.D.

(Zool.) Lectr.

Reese, Mary J., Ph.D. (Bot.)

Lectr.

Legge, Betty J., B.Sc. Birm. (Bot.)

Asst. Lectr

Chemistry

Coates, J. E., O.B.E., D.Sc. Birm.,

M.Sc., F.R.I.C. Prof

Hinkel, L. E., D.Sc. Lond., F.R.I.C

(Organic C.) Lectr

Ayling, E. E., M.Sc. Lond.,

F.R.I.C. Lectr.

Hartshorne, N. H., M.Sc. Birm.,

Ph.D. Lond., F.R.I.C. Lectr.

Davies, Rees H., M.Sc. Lectr.

Vaughan, J., B.Sc. Asst. Lectr.

Classics

Farrington, B., B.A. Dub., M.A.

N.U.I. Prof.

Hill, H., M.A. Sheff. Lectr.

Moorhouse, A. C., M.A. Camb.

Lectr.

Smyth, W. R., B.A. Dub. Lectr.

Griffiths, J. Gwyn, M.A. Liv., B.A.

Lectr.

Economics

Morgan, E. V., M.A. Camb. Prof

Bell, I. C., M.A. Lectr.

Roberts, R. O., M.A. Asst. Lectr.

Education

Jones, E. J., M.A., D.Litt. Prof.

Stephens, D. J., M.Sc. Lectr.

Jones, T. G. Jeffreys, M.Sc. Lectr.

Owen, Annie, M.A., D. de l'U.

Paris Lectr.

Dale, R. R., M.A. Liv., M.Ed.

Leeds Lectr.

Engineering

..... Prof.

Isaacs, R. G., M.Sc. Brist., B.Sc.

Lond (Elec. E.) Asst. Prof.

Fordham, A. A., B.Sc., Ph.D.

Lond. (Civ. E.) Lectr.

Caswell, J. S., M.Sc.

(Mech. E.) Lectr.

Farvis, W. E. J., B.Sc. Brist., B.Sc.

Lond. Lectr.

Williams, T. E. H., B.Sc.

Asst. Lectr.

Reed, C. R. G., M.A. Ox.

Asst. Lectr.

Rockey, K. C., B.Sc. Lond

Asst. Lectr.

Williams, T. J., M.Sc. Birm.

Asst. Lectr.

English

Thomas, W. D., M.A. Ox., B.A.

Prof.

Blackstone, B., M.A., Ph.D. Camb.

Lectr.

Westcott, Isabel M., B.A. Brist.,
B.Litt. Ox. Lectr.
Sims, D. L., B.A. Ox.

Asst. Lectr.
Bartley, J. O., M.A. Belf.
Asst. Lectr.

French

Williams, Mary, D. de l'U. Paris,
M.A., Chev. Lég. d'H., O.A.
Prof.

Rees, Garnet, M.A., D. de l'U.
Paris Lectr.
Pool, E. Millicent, M.A. Liv., O.A.
Lectr.

Geology and Geography

Leitch, D., D.Sc. Glas., F.G.S.
Prof.
Farmer, B. H., M.A. Camb. Lectr.
Simpson, Brian, M.Sc. Liv. (Geol.),
F.G.S. Lectr.
Owen, T. R., M.Sc. Asst. Lectr.

German

Halliday, F. W., M.A. Manc.
Ind. Lectr. and Hd. of
Dept.
Marleyn, R., M.A. Ox., Ph.D.
Göttingen Lectr.
Spalding, K., M.A., Ph.D. Birm.
Asst. Lectr.

History

Quinn, D. B., B.A. Belf., Ph.D.
Lond. Prof.
Williams, Glanmor, M.A. Lectr.
Gibbs, Marion E., B.A., B.Litt.
Ox. Lectr.
Masterman, N. C., B.A. Camb.
Asst. Lectr.

Mathematics

Wilson, R., M.A. Ox. Prof.
Clark, G. L., M.A., Ph.D. Camb.
Lectr.
Godwin, H. J., B.A. Camb.
Lectr.
Foulkes, H. O., M.Sc. Lectr.

Metallurgy

O'Neill, H., M.Met. Sheff., D.Sc.
Manc. Prof.

Higgins, R., Ph.D. Glas., F.I.M.
Asst. Prof.

Griffiths, Roosevelt, M.Sc., F.I.M.
Lectr.

Hopkins, D. W., B.Sc. Lectr.

Evans, G. L., B.Sc. Asst. Lectr.

Philosophy

Heath, A. E., M.A. Camb. Prof.
Gallie, W. B., M.A., B.Litt. Ox.

Lectr.

Britton, K., M.A. Camb., A.M.
Harv. Lectr.

Rhees, Rush, M.A. Edin. Lectr.

Physics

Jones, F. Llewellyn, M.A., D.Phil.
Ox., F.Inst.P. Prof.
Davidson, P. M., B.A. Camb.,
Ph.D. Lond. Lectr.
Wright, L., M.Sc. Sheff. Lectr.
Beynon, W. J. G., Ph.D. Lectr.
Griffin, L. R., B.Sc. Lond.
Asst. Lectr.

Welsh

Lewis, Henry, M.A., D.Litt. Prof.
Williams, Stephen J., M.A. Lectr.
Richards, G. M., M.A. Lectr.
Bevan, T. H., M.A. Lectr.

Social Science

Marsh, D. C., M.A. Birm. Lectr.

Physical Education

Jones, Vernon, B.A.
Williams-Jones, Katherine M.

University Extension

David, Iltyd, M.A., LL.B. Camb.,
LL.D. Dub., M.A.
Sr. Staff Tutor.
Griffiths, T. Hughes, M.A.,
Dr. Pol.Sc. Giessen
Staff Tutor.
Jones, T. G., M.A., M.Sc. (Econ.)
Lond. Staff Tutor.
Lewis, G. I., B.A. Staff Tutor.
Thomas, T. W., B.A. Staff Tutor.
Williams, C. R., B.A. Staff Tutor.

GENERAL INFORMATION

Incorporated by Royal Charter, dated Jan. 21, 1920, the College was made a constituent College of the Univ. of Wales by a Supplemental Charter to the Univ. on Aug. 13, 1920. The administrative offices, assembly hall, common rooms, and refectory, in addition to some of the Science departments, are accommodated in a mansion in Singleton Park, presented, together with 19 acres of land surrounding it and 15 acres for playing-fields, by the Corporation of Swansea, which also gave £50,000 towards the cost of Science buildings. Extensive laboratories have been erected in the Park, on a site adjacent to the main College building, for the departments of Metallurgy, Engineering, Chemistry and Physics, and buildings to accommodate the Arts Departments and the Library.

Situated in the heart of a district possessing a long and interesting metallurgical history and presenting an unrivalled variety of present-day metallurgical practice, the College offers exceptional advantages for preparation for professional careers in the metallurgical industry. The manufacturers of the district, who contribute largely to the support of the College, give the staff and students ample opportunities of keeping in close practical touch with manufacturing processes in the works. To ensure the closest possible co-operation with the local industries, Advisory Committees in Metallurgy and Engineering have been set up. All the College laboratories (Physics, Chem., Geol., Biol., Metall., Engin.) are well equipped and include fine experimental plant for instruction and research in combustion engineering.

FACULTIES. Science and Arts. Departments: Metallurgy and Engineering; training of Teachers (men and women) for Elem. and Sec. Schools; training in Social Science; and training for Youth Leadership and Organization.

COURSES FOR DEGREES, ETC. Courses for the degrees of the Univ. in Pure and Applied Science and Arts (3 yrs.); complete Prelim. Science Course for medical students and classes in Law for articled clerks. Engineering students are expected, and, where necessary, helped, to obtain practical experience in works during the greater part of the summer vacation. Afternoon visits to works are arranged frequently throughout the session. Occasional lectures are given by experts on the business, administration, and managerial side of industrial undertakings.

COLLEGE DIPLOMAS. Social Science; Youth Leadership and Organization; Mathematical Physics; Mathematical Statistics and Computational Analysis.

FEES. For annual tuition in Pure or Applied Science, £25; Arts, £20; for Research, from 6 to 10 gs. p.a.; Registration, £1: 1s. p.a.

RESIDENCE. Beck Hall of Residence for women students (Warden: Miss E. Griffiths, M.A.), fee, £70 p.a. A list of Registered Lodgings is kept by the Registrar.

THE YEAR 1946-47

BENEFACTIONS. Donations and annual subscriptions from £10: 10s. to £500 for general purposes, etc.

NEW BUILDING. The College has acquired a large house in Swansea for use as a temporary Students' Union.

RESIGNATIONS. Prof. R. N. Arnold (Engin.), on appt. to the Regius Professorship of Engin., Univ. of Edinburgh; Dr. W. H. J. Fuchs (Maths.), on

appt. to Univ. of Liverpool; Prof. T. N. George (Geol. and Geog.), on appt. to Professorship of Geol. in Univ. of Glasgow; Mr. G. D. Klingopulos (English), on appt. to Univ. of Sheffield; Mr. D. E. Littlewood (Maths.), on appt. to Univ. of Cambridge; Mr. A. R. Manwell (Maths.), on appt. to Univ. Coll., Southampton; Prof. F. J. Schonell (Educn.), on appt. to Professorship of Educn., Univ. of Birmingham; Mr. Innes Smith (Econ.), on appt. to Univ. of Edinburgh; Mr. A. Stuart (Geol.), on appt. to Headship of Geol. in Univ. Coll., Exeter; Mr. G. B. Warburton (Engin.), on appt. to Univ. of Edinburgh; Dr. T. B. Wilkinson (Metall.).

RETIREMENT. Dr. C. A. Edwards (Principal of the College and Prof. of Metallurgy).

UNIVERSITY EXTENSION WORK. 14 University Tutorial Classes, 20 Sessional Classes, and 7 short courses, with 834 students. A non-residential summer school was held during the evenings of one week.

VISIT OF TEACHER FROM ANOTHER COLLEGE. Dr. I. Dostrovsky (Bangor), "Steric Effects in Substitution Reaction."

STUDENTS. Total: 743; full-time: 710; part-time: 33; the total includes 165 women and 26 postgraduates.

DEGREES OBTAINED. B.A., 37; M.A., 1; B.Sc., 54; M.Sc., 1.

THE WELSH NATIONAL SCHOOL OF MEDICINE, CARDIFF

Incorporated by Royal Charter 1931

PRESIDENT—The Right Hon. LORD ABERDARE.

PROVOST—R. M. F. PICKEN, M.B., Ch.B., B.Sc. Glas., D.P.H. Camb.

VICE-PROVOST—LAMBERT ROGERS, V.D., M Sc., F.R.C.S., F.R.A.C.S.,
F.A.C.S.

HON. TREASURER—Sir W. REARDON SMITH, Bt.

SECRETARY—S. C. EDWARDS.

ASSISTANT SECRETARY—F. DODSWORTH.

ASSISTANT LIBRARIAN—ELUNED L. JONES.

Telephone : Cardiff 3280.

TEACHING STAFF

(For subjects of first 3 yrs.—Anat.,
etc., v. Univ. Coll., Cardiff)

Forensic Medicine and Toxicology

Gough, Jethro, M.D. Lectr.

Hygiene and Public Health

Picken, R. M. F., M.B., Ch.B.,
B.Sc. Glas., D.P.H. Camb.
(Preventive Med.) Mansel
Talbot Prof.

Wilson, J Greenwood, M.D.
Lond., F.R.C.P., D.P.H.

Lectr.

Bevan, R. T., M.B., B.Ch., D.P.H.

Lectr.

Phillips, W Powell, D.P.H.
(Vaccination and Practice of
Immunization) Instr.

Lewis-Fanning, E., B.Sc., Ph.D.
Lond. Statistician.

Infectious Diseases

Harries, G Emrys, M.B., B.S.
Lond., D.P.H. Lectr.

Materia Medica and Pharmacology

Heathcote, R. St. A., M.A., D.M.,
B.Sc. Ox., F.R.C.P. Prof.

Asst. Lecturers

Duguid, Agnes M. E., M.B., Ch.B.,
D.P.H. Aberd.

James, Dinah M., B.Pharm.

West, Lucy M., M.B., B.Ch. Dub.

Griffiths, E. T. (Pharmacy) Asst.

Medicine (Med. Unit)

Kennedy, A. Mills, M.D. Glas.,
F.R.C.P. Prof. and Director.

Jones, Idris G., M.D. Lond.

Sr Asst. and Lectr.

..... Sr Asst. and Lectr.

McCracken, D., B.Sc., M.B., B.Ch.

Jr. Asst. and Asst. Lectr.

Meredith, D. E., M.B., B.S. Lond.

Jr. Asst. and Asst. Lectr.

Ingham, J., F.R.I.C. Biochemist.

Obstetrics and Gynaecology

Strachan, G. I., M.D. Glas.,
F.R.C.P. Lond., F.R.C.S. Eng.

and Ed., F.R.C.O.G. Prof.

Maliphant, R. G., M.D. Lond.,
F.R.C.S., F.R.O.C.G. Lectr.

Watkins, A. G., B.Sc., M.D. Lond.,
F.R.C.P. (also Diseases of
Children) Pædiatristian.

Assistants

Evans, M. D. Arwyn, M.D.,
F.R.C.S Ed.
Humphreys, G. A.
Webster, Helena J., M.B., B.Ch.,
D.P.H.
Jones, John, B.Sc., M.B., B.Ch.

Pathology and Bacteriology

Duguid, J. B., M.D. Aberd. Prof.
Gough, Jethro, M.D.
(Path.) Lectr.
Margarey, F. R., M.D., B.S. Adel.
(Clinical Path.) Lectr.
Thomson, Scott, M.D. Edin.,
D.P.H. (Bact.) Lectr.

Assistant Lectrs.

Heppleston, A. G., M.B., Ch.B.
Manc.
Richards, D. B., B.Sc., M.B., B.Ch.
Keyser, J. W., M.Sc. Lond.
(Pathological Chem.).

Demonstrators

Heard, B., B.Sc., M.B., B.Ch.
Crowther, K. V., M.B., B.Ch.
White, L. L. R., M.B., B.Ch.

Psychological Medicine

Hennelly, T. J., M.D. (Psychol.
Med.), B.Ch., B.A.O., D.P.M.
N.U.I. Lectr.

Surgery (Surg. Unit)

Rogers, Lambert, V. D., M.Sc.,
F.R.C.S. Eng. and Ed.,
F.R.A.C.S., F.A.C.S.
Prof. and Director.
Aldis, A. S., B.Sc., M.B., B.S.
Lond., F.R.C.S.
Sr. Asst. and Lectr.
Wolfe, H. R. I., M.B., B.S. Lond.,
F.R.C.S. Sr. Asst. and Lectr.
Parker, A. O., M.D., C.M.
(Orthopædics) Lectr.

Tuberculosis

Tytler, W. H., B.A., M.B. Tor.
David Davies Prof.
..... Asst. Lectr.

Tattersall, Norman, M.D., B.S.

Hon. Lectr.

Graham, S. H., M.B., Ch.B. Edin.,
D.P.H., T.D.D. Hon. Lectr.

Recognized Teachers

Davies, William
Hiley, R. Melville.
Johnson, A. C., M.A., M.B., B.Ch.
Camb.
Jones, V. Emrys, B.Sc., M.B.,
B.S. Lond., M.B., Ch.B. Liv.
Ross, H. A., M.B., Ch.B., B.Sc.
Glas., D.P.H. Camb.
Thomas, Dillwyn M. E.

Recognized Clinical Teachers and
Part-time Lecturers

Anæsthetics

Mushin, W. W., M.A. Ox., M.B.,
B.S. Lond., D.A.
Director and Lectr.

Assistants

Musgrove, A. H., D.A.
Jones, I. Rhys, D.A.

Clinical Tutors

Lewis, Cyril, M.D. Edin.
Pearson, F. Y., F.R.C.S.
Forsaith, J. R.
Roberts, Barbara C., B.Sc., M.B.,
B.Ch., D.A.

Dental Surgery

McFarlane, J., L.D.S.
Murray, A. L., L.D.S.
Smith, J. I., L.D.S.
Brown, G. Morwent A., L.D.S.

Dermatology

Hodgson, G. A., M.B.E., M.A.,
D.M. Ox. Lectr.

Pædiatrics

Watkins, A. G., M.D. Lond., B.Sc.,
F.R.C.P. Lectr.

Medicine

Phillips, W., M.D.
Howells, Leonard, M.D., B.S.
Lond., B.Sc.

Evans, B., M.D. Lond.
 Spillane, J. D., M.D., B.Sc.
 Jones, I. G., M.D. Lond., B.Sc.
 (also Med., Medical Unit)
 Williams, D. A., M.Sc., M.D., B.Ch.
 Thomas, A. J., B.Sc., M.B., B.Ch.,
 D.P.H.
 Beattie, J., M.D., Belf. Clin Tutor.

Ophthalmology

Thomas, J. W. Tudor, M.S. Lond.,
 M.D., D.Sc., F.R.C.S. Lectr.
 Parry, J. R., M.B., B.S. Lond.,
 F.R.C.S. Ed.
 Gluck, Bernard, M.A., M.B., M.Ch.
 Dub., D.O.M.S., F.R.C.S. Ed.

Oto-Rhino-Laryngology

Owen, R. D., B.Sc., F.R.C.S. Ed.
 Lectr.

Thomas, H. A., B.Sc., M.B., B.Ch.,
 F.R.C.S. Ed.

Physiotherapy

Evans, T. Garfield, M.D. Lond.,
 D.M.R.E. Lectr.

Radiology

Hanson, E. H., M.B., B.S. Durh.,
 D.M.R.E. Lectr.

Radiotherapy

Evans, G. C. D., B.Sc., M.B.,
 B.Ch., D.M.R.E. Lectr.

Surgery

Wade, J. O. D., O.B.E., M.S.
 Lond., F.R.C.S.
 Harries, D. J., M.D. Lond., D.Sc.,
 F.R.C.S.
 Haycraft, J. B., M.C., M.B., Ch.B.
 Edin., F.R.C.S.

Ioan-Jones, D., M.B., B.Ch.,
 F.R.C.S.

Lysaght, A. C., F.R.C.S.

Foster, D. B. E., M.B., B.Ch.,
 F.R.C.S. Ed.

Mogg, R. A., M.B., B.Ch., F.R.C.S.

Evans, Dillwyn, M.B., B.Ch.,
 F.R.C.S. Ed. (Fractures)

Veneral Diseases

Downing, C. C. R., M.A., M.D.
 Camb. Actg. Lectr.
 Webster, Helena J., B.Sc., M.B.,
 B.Ch., D.P.H. Asst. Lectr.
 Sheasby, H., M.B., Ch.B. Burm.,
 D.P.H. Camb. Clin. Tutor.

Registrars

Med—P. H. Denton, M.D. Lond.

Surg—Hywel G. Roberts, B.Sc.,
 M.B., B.Ch., F.R.C.S.

Surg—J. S. H. Wade, M.A., M.B.,
 B.Ch. Camb., F.R.C.S.

Child Health—F. R. M. Elgood,
 B.M., B.Ch. Ox.

Dermatology—Phillip J. B.
 Thomas.

Orthopaedics—J. G. H. James,
 M.B., B.S. Lond.

Ophthalmology—R. E. Packer,
 M.B., B.Ch., D.O.M.S.

Anæsthetics—.....

Radiotherapy—Vera Jones, M.B.,
 B.Ch.

Diagnostic X-Ray—G. Bronwen
 Morgan, D.M.R. Lond.

Neurology—G. R. Davies, M.B.,
 B.Ch.

GENERAL INFORMATION

The Welsh National School of Medicine originated in the institution of Depts. in Anat. and Physiol. at the Univ. Coll. of S. Wales and Monmouthshire, Cardiff, in 1893. The Dept. of Mat. Med. and Pharmacol. was instituted in 1898, and the Chair of Pathol. and Bacteriol. in 1910. The David Davies Chair of Tuberculosis and the Mansel Talbot Chair of Prev. Med. were endowed in 1921, and in that year Medical and Surgical Units and a Dept. of Obstet. and Gynaecol. were instituted. On Feb. 5, 1931, a Charter of Incorporation was granted to the School by H.M. the King in Council.

While the Courses of instruction are designed to meet the Regulations for

the Degrees in Medicine and Surgery of the Univ. of Wales, they are also recognized as satisfying the Regulations of the Univ. of London and of the Conjoint Board Examinations for the R.C.P. and R.C.S., and of other Examining Bodies.

Every candidate for admission to first-year courses in Physics, Chem., and Biology shall present a certificate showing that he has passed the Matriculation Examn. of the Univ. of Wales, or an examn. recognized by the Univ. of Wales as equivalent thereto; and, if the certif. does not show that he has passed at the Matricn. standard in *two* of the following subjects: Physics, Chem., Bot., Zool., Biol. (one of which must be *either* Physics or Chem.), he shall present a supplementary certif. or certifs. showing that he has passed an examn. of Matricn. standard in these subjects.

No candidate will normally be accepted for admission to the Depts. or the second year of the Med. course unless he has completed, at one and the same time, an examn. leading to a Univ. degree in all the four first-year courses, Physics, Chem., Bot., and Zool. This regulation may be relaxed at the discretion of the Joint Academic Committee of the Univ. College, Cardiff, in certain cases where only *one* of the four first-year courses named above is outstanding.

Note.—An approved Second School Certif. may exempt, subject for subject, from the first-year or Intermediate examn leading to a degree of the University.

DEGREES AND DIPLOMAS. The School provides courses of study for the degrees of M.B., B.Ch., B.Pharm., and for the Tuberculous Dis. Dipl. and the Certif. and Dipl. in Public Health of the Univ. of Wales (*see* thereunder).

FEES. Tuition: Annual Composition Fee, £25 for the first year and £35 for each of the following years; C.P.H. Composition Fee, £20; D.P.H. Composition Fee, £35; T.D.D. Composition Fee, £25. Registration, £1: rs., payable by all students. Examination, M.B., B.Ch., £26: 16s.; M.D., £20; M.Ch., £20; C.P.H., £5: 5s.; D.P.H., £10: 10s.; T.D.D., £10: 10s.

SCHOLARSHIPS, PRIZES, AND MEDALS. "Dr. Price Prize," £50; "Isaac Roberts Scholarship," £50; "Samuel Bros. Scholarship," £12-£15; "Dr. Howell Rees Scholarship," £17: 10s.; "Alfred Sheen Prize," £5; "The Cardiff Medical Society Prize," value £6: 6s.; "John Maclean" Prize and Medal; "Willie Seager" Prizes and Medals; "The David Hepburn Medal" and "The Alfred Hughes Medal." *See also* under University.

POSTGRADUATE SCHOLARSHIPS. "Mrs. John Nixon" for Research in Med. and Med. Pathol., annually, £150 for 1 yr. "Lord Merthyr" for res. in Cancer, annually, £200 for 1 yr. "Ewen Maclean" (Obstet. and Gynæc.), £150 for 1 yr., and "Cecil Prosser" (Tuberculosis), £250 for 1 yr., are open to graduates of any approved Univ. or qualified medical practitioner.

REFECTORY AND RESIDENCE. The Refectory and Residence is combined. There is accommodation for about 45 residents.

TERMS. Oct. 5-Dec. 17, 1948; Jan. 11-Mar. 25; April 26-June 30, 1949.

PUBLICATIONS. *Prospectus* and *Regulations* (free).

THE YEAR 1946-47

NEW BUILDINGS. Premises have been acquired and adapted for use by the Dept. of Tuberculosis for undergraduate and postgraduate teaching as well as for research. Plans and specifications have been approved for the completion of the Institute of Pathology.

NEW DEPARTMENTS AND POSTS. In the Dept. of Preventive Medicine a

statistical section has been established and a Statistician (E. Lewis-Faning, B.Sc., Ph.D. Lond.) appointed.

A Student Health and Welfare Scheme has been established in the Dept. of Preventive Medicine by the University, and will deal with the students in each of the constituent units of the University (Colleges at Aberystwyth, Bangor, Cardiff and Swansea, and the School of Medicine).

Plans are in course of preparation for the provision in the Institute of Preventive Medicine of a Library and Examination Hall for the School.

A full-time joint appointment of a Lecturer in Anæsthetics and Director of Anæsthetics to the clinical institutions of the School was made by the School and the Authorities concerned. Dr. W. W. Mushin of the Nuffield Department of Anæsthetics, Univ. of Oxford, was appointed.

DEATH. Dr. J. Hardstaff West (Anæsthetics).

STUDENTS. Total: 303; full-time: 176; part-time: 127; the total includes 147 women and 22 postgraduates.

DEGREES AND DIPLOMAS OBTAINED. M.B., B.Ch., 27; B.Pharm., 5; M.D., 1; M.Sc., 1; M.Pharm., 1; C.P.H., 7; T.D.D., 12; M.B., B.S. (Lond.), 5; L.R.C.P., M.R.C.S., 8.

UNIVERSITY COLLEGE OF THE SOUTH- WEST OF ENGLAND, EXETER

Founded 1901

PRESIDENT—The Most Hon. THE MARQUESS OF SALISBURY, K.G.

DEPUTY PRESIDENT—SIR WILLIAM MUNDAY.

TREASURER—B. G. LAMPARD-VACHELL, M.A., LL.B.

PRINCIPAL—JOHN MURRAY, M.A. Ox. and Aberd., LL.D. Aberd., D.Litt. Columbia.

REGISTRAR—SIR ALEXANDER CAMPBELL, M.C., E.D., M.A. Edin.

ACADEMIC SECRETARY—G. V. M. HEAP, M.A. Camb.

LIBRARIAN—L. J. LLOYD, M.A. Camb.

Telephone : Exeter 4141.

TEACHING STAFF

Archæology, British

Fox, Lady Aileen, M.A. Camb.
Sp. Lectr.

Botany and Horticulture

Caldwell, J., D.Sc. Glas., Ph.D. Glas. and Camb. Prof.
Richardson, Margaret M., Ph.D. Durh. Lectr.
Boughey, A. S., Ph.D. Edin. Lectr.

Heydecker, W., B.Sc. Reading Asst. Lectr.

Chemistry

Britton, H. T. S., D.Sc. Lond., D.I.C., F.R.I.C. Prof.
King, Ruth, M.Sc. Lond. Lectr.
Gregg, S. J., Ph.D. Lond., D.I.C. Lectr.
Long, L. H., B.Sc., Ph.D. Lond., D.I.C. Lectr.
Schofield, K., B.Sc., Ph.D. Durh. Lectr.
Whitehurst, J. S., B.Sc. Lond. Asst. Lectr.

Classics

Clayton, F. W., B.A. Camb. Prof.
Knight, W. F. J., M.A. Ox. Reader.
Chalk, H. H. O., B.A. Ox. Lectr.
Stubbs, H. W., M.A. Ox. Lectr.

Depree, Patricia M., M.A. Camb. Asst. Lectr.

Economics

Sykes, J., M.A., Ph.D. Leeds, M.Com. Manc. Prof.
De Neuman, A. M., B.Sc., Ph.D. Lond., LL.M. Warsaw Lectr.
Little, L. T. F., B.Sc. Lond. Lectr.
Callard, Pauline, B.Com. Lond. Lectr.
Hill, L. S., M.A. (Pub. Admin.) Lectr.
Steer, W. S. (Pub. Admin.) Lectr.
Hersic, A. R., B.Com. Lond. Asst. Lectr.

Education and Psychology

Watkins, S. H., M.A. Wales, Ph.D. Leip. Prof.
Mathias, Stella Y., M.A. Liv. Lectr.
Charles, R. H., M.A. Ox. Lectr.
Topsfield, Sylvia G., B.A. Ox. and Lond. Lectr.
Ross, Isabel G. T., M.A. Aberd. Lectr.
Winter, H. J. J., M.Sc., Ph.D. Lond. Lectr.
Staniland, A. C., B.A. Lond. (Visual Educ.) Asst. Lectr.

Chinneck, Rev. S. T. E., M.A.
Camb. Asst.

Music

Wilcock, A. W., Mus.D. Manc ,
F.R.C.O. Hd. of Dept.

Philosophy

Levine, I., M.A., D.Litt. Glas.
Hd. of Dept.
Langmead Casserley, Rev. J. V.,
M.A. Lond Pt -time Lectr.

Physical Education

Ford, C. W. Lectr.
Fairclough, H. D. Lectr.
Goodwin, Doreen V. Lectr.

Physics

Newman, F. H., D.Sc. Lond ,
F.Inst.P. Prof.
Grew, K. E., Ph D., D.Sc. Birm.,
Ph.D. Camb., F Inst.P.
Lectr.
Searle, V. H. L., M.Sc. Lond. Lectr.
Speirs, L. S., M.A., M.Sc. Dub.
Lectr.
Portman, N. A., B.Sc. Lond.
Asst. Lectr.

Theology

Carpenter, Very Rev. S. C., D.D.
(Dean of Exeter)
Hd. of Dept.
Jalland, Rev. T. G., M.A., D.D.
Ox. Lectr.

Zoology

Harvey, L. A., M Sc Lond , D.I.C.
Hd. of Dept
Hawes, R S., B.Sc., Ph.D. Lond.
Lectr.
Vickers, G. G., M.Sc. Sheff.
Lectr.

Agriculture

Ling, A. W., M Sc. Brist., Dip.
Agric. Wye (Principal of
Seale Hayne Agric. Coll.)
Prof.

Extra-mural Studies

Sellon, H., M A. Hd. of Dept.
Harris, F. L., M.A.
Organizing Tutor.

Resident Tutors

Hallowell, E., M.A. Ox.
Walters, W. E., M.A. Wales.
Malbon, Gladys, M.A. Lond.
Todd, A. C., B.A Lond.
Gibson, N. A. S., B.A. Ox.

Overseas Students

Putt, S. Gorley, M.A. Camb. and
Yale Tutor.
Lloyd, Mrs. Vera (Elocution).

GENERAL INFORMATION

Organized as a College, 1901. Incorporated under its present title, 1922.

Courses are provided for the External Degrees of the Univ. of London in Arts, Science, Economics, Law, Music and Theology, and for the Inter. B.Sc. examn. in Agriculture. The College has a University Training Department for Teachers, and organizes courses in Public Administration. The Overseas Students Department receives students for work, primarily in English. The College is residential, having four Halls for men and three for women.

AFFILIATION. The College is recognized as an associated Institution by the Univs. of Ox. and Cam. It is recognized by the Camb. Special Board for Med. and the Conjoint Med. Board as a place of instruction in Chem., Physics, and Biol., and by the Institute of Chemistry for instruction in preparation for its Examns.

FACULTY BOARDS in Arts, Sci., and Econ. supervise students.

ADMISSION. Matriculated students aged 17 or over, between 16 and 17 by special resolution of the Senate. Unmatriculated students must as a rule be over 18 and must satisfy the Senate as to their fitness to profit by the courses.

FEES. Annual: Interm. course, Arts, Econ., £31:10s.; Sci., £36:5s.; final course in Arts, Econ., £31:10s.; Sci., £36:5s.; fees at reduced rate payable by students from Devon, Cornwall, Dorset, Exeter, or Plymouth; Law, 16 gs. to £25; for overseas students, £36:15s.; Research, 8 to 10 gs.; Teachers' Training Dept. (Elem. Sec.), £53; Registration, £2 (except: Post-grad. part-time, £1; Law, £1:1s.).

RESIDENCE. For women—Hope Hall (95 students), Warden: Miss Ruth King, M.Sc.; Lopes Hall (78), Warden: Miss I. Ross, M.A.; Thomas Hall (50), Warden: Miss M. Pairpoint. Terms: £75:10s. to £78:10s. For men—Reed Hall (70), Warden: R. H. Charles, M.A.; Exeter Hall (55), Warden: N. A. Portman, B.Sc.; Mardon Hall (80), Warden: Prof. S. H. Watkins, M.A., Ph.D.; Crossmead, Dunsford Hill, Exeter (24), Warden: S. Gorley Putt, M.A. Terms: £78:10s. to £83:10s. All students not living at home must reside in one of the Halls of Residence as far as accommodation permits.

SCHOLARSHIPS for graduates: in Sci. one or two annually from Andrew Simons Scholarship Fund; one (Rook) annually to Mod. Lang. student for study abroad; one (Lopes) annually in Arts, and one Rotary Scholarship tenable at this College or elsewhere.

The College organizes a SUMMER SCHOOL for Overseas Students annually in the month of August. The School held in August 1947 was attended by 120 students, from 19 different countries.

PUBLICATIONS. *Prospectus* (free); *Annual Report* (free) in Oct.; Guild of Undergraduates' *Handbook*.

THE YEAR 1946-47

NEW DEPARTMENT. Geology.

OTHER DEVELOPMENTS. The Most Hon. The Marquess of Salisbury, K.G., elected President of the Coll. Mr. B. G. Lampard-Vachell elected Treasurer of the Coll.

EXTRA-MURAL WORK. The number of classes and courses given during the session was 58, made up as follows: 4 Tutorial Classes, 54 Sessional Classes. Number of students attending was 1087.

DEATHS. Prof. W. S. Lewis (Geog.); Mr. E. E. Kemeys-Jenkin, Member of Council.

RESIGNATIONS. Mr. A. K. Woodbridge (Registrar); Miss C. L. Kemp (Educn.); Mr. E. Broadhead (Zool.); Miss B. Swainson (Educn.); Mr. G. P. Meredith (Educn.); Miss J. Jacobs (Maths.).

STUDENTS. Total: 727; full-time: 644; part-time: 83; the total includes 255 women and 71 postgraduates.

DEGREES. B.A., 43; B.Sc., 46; M.Sc., 2; Ph.D., 1; B.Sc. (Econ.), 3.

UNIVERSITY COLLEGE OF HULL

Founded 1928

PRESIDENT—The Rt. Hon. THE LORD MIDDLETON, M.C., J.P., Lord Lieutenant of the East Riding of Yorkshire.

VICE-PRESIDENTS—The Rt. Hon. THE LORD BROWNLOW, Lord Lieutenant of Lincolnshire; The Rt. Hon. THE LORD HOTHAM, D.L.; A. R. CLEMINSON, Esq., J.P.

PRINCIPAL—J. H. NICHOLSON, B.A. Ox., M A. Edin. and Bristol.

VICE-PRINCIPALS—Professor P. G. 'ESPINASSE, M.A. Ox.; R. C. WILSON, M.A. Ox.

REGISTRAR—C. MEGGITT.

ASSISTANT REGISTRAR—S. R. WHIPPLE, B.A. Ox.

LIBRARIAN—Miss A. CUMING, M.A. N.U.I., B.Sc. Ox.

Telephone : Hull 18960 (5 lines).

TEACHING STAFF

Botany

Good, R. D'O., M.A. Camb. Prof.
Cromwell, B. T., B.Sc., Ph.D. Liv.
Reader.
Webster, J., B Sc. Lond.
Asst. Lectr.

Chemistry

Jones, Brynmor, B.Sc., Ph.D.
Wales, Ph D. Camb., F.R.I.C.
G. F. Grant Prof.
Orr, W. B., D.Sc. Belf., Ph.D.
Durh. Lectr.
Baldwin, R. R., M.A Camb.
Asst Lectr.
Milner, G. W. C., M Sc. Sheff.
Asst. Lectr.
Gray, G. W., B.Sc. Glas.
Asst. Lectr.
Kipling, J. J., B.A., D.Phil. Ox.
Asst. Lectr.
Weinberger, M.A., B.Sc. Lond.,
M.Sc. Manc. Asst. Lectr.

Classics

Gillies, M. M., M A. Camb., Ph.D.
Edin. Prof.
Dilke, O. A. W., M.A. Camb. Lectr.

Moir, Kirsteen, M.A. Aberd. and
Ox. Lectr.
Chilton, C. W., M.A. Camb.
Asst. Lectr.
Howorth, R. H., M.A. Camb.
Asst. Lectr.
Norman, A. F., M.A. Ox.
Asst. Lectr.
Reece, D. W., M.A. Ox.
Asst. Lectr.

Economics and Commerce

Bowen, I. I., M.A. Ox. Prof.
Lachmann, L. M., Doc. rer. pol.
Berlin, M.Sc. (Econ.) Lond.
Lectr.
Lawrence, G. M., B.A. Tor. Lectr.
Saville, J., B.Sc. (Econ.) Lond.
Lectr.
Tatlow, Ann E., B.A. Ox. Lectr.
Rotheray, D., M.A. Camb.
Asst. Lectr.

Education

Castle, E. B., B.A. Ox. Prof.
Bull, Marion, B.Sc. Lond. Lectr.
Bull, K. R., M.A. Ox.
(Phys. Educ.) Lectr.

Read, E. C., M.A. Camb., B.Sc.
(Econ.) Lond. Lectr.
Knox, H. M., M.A., B.Ed. Edin.
Lectr.

Marchant, R. B., M.A., Mus B.
Camb. (Music) Lectr.

Tinsley, Rev. E. J., M.A., B.D.
Durh.

(Religious Knowledge) Lectr.
Morrison, J., M.A., M.D., Ch B.,
D.P.H. Aberd.

Pt.-time Lectr.
Sibley, Gwendoline

Pt.-time Lectr.

English Language and Literature

Vines, W. S., M.A. Ox.
G. F. Grant Prof.

'Espinasse, Margaret, B.A., B.Litt.
Ox. Lectr.

Binns, A. L., B.A. Manc.
Asst. Lectr.

Trickett, Mabel, B.A. Ox.
Asst. Lectr.

Fine Art

Webb, G. F., M.A. Camb.
Ferens Lectr.

French

MacInnes, W. A., M.A. Glas.,
D. ès L. Paris Prof.

Lucas, H. H., B.A. Reading, Dr.
de l'U. Strasbourg Lectr.

Maguire, Patricia I., M.A. Glas.
Lectr.

Ginestier, P., L. ès L. Sorbonne
Asst. Lectr.

Geography

King, H., M.A. Liv.
Hd. of Dept.

Brachi, D. P., M.A. Camb. Lectr.
Latham, Lois R., B.A. Sheff.

Lectr.
de Boer, G., M.A. Camb.

Asst. Lectr.

German

Baier, C., B.A. Liv., Dr.Phil.
Tübingen Hd. of Dept.

Waidson, H. M., M.A. Birm.,
Ph.D. Leipzig Asst. Lectr.

Mayer, F., Basle (German) Lector
Mersehus, C. A., fil. mag. Lund.
(Swedish) Lector.

History

Gill, C., M.A. Camb., Litt.D.
Leeds G. F. Grant Prof.

Brooks, F. W., M.A. Lond.
Reader.

Douie, Decima L., M.A. Ox.,
Ph.D. Manc Lectr.

Lyons, F. S. L., B.A., Ph.D. Dub.
Asst. Lectr.

Coleclough, J. E., M.A. Camb.
Pt.-time Lectr.

Law

Powell, R., M.A., B.C.L. Ox.
Hd. of Dept.

Taylor, F. W., LL.B. Wales, B.A.
Camb. Lectr.

Hall Williams, J. E., LL.B. Wales
Asst. Lectr.

Hall-Blackmore, A. Pt.-time Lectr.
Mallett, E. C., F.C.A.

Pt.-time Lectr.
Rosen, L., LL.M. Lond.

Pt.-time Lectr.
Styles, G. E. W. Pt.-time Lectr.

Mathematics

Steward, G. C., M.A., Sc.D. Camb.,
D.Sc. Lond.

G. F. Grant Prof.
Neumann, B. H., Dr.Phil. Berlin,
Ph.D. Camb. Lectr.

Lewis, G. M., M.Sc. Lond. Lectr.

Neumann, Hanna, D.Phil. Ox.
Asst. Lectr.

Parsons, H. W., M.A. Camb.
Asst. Lectr.

Oceanography

Hardy, A. C., M.A., D.Sc. Ox.,
F.R.S., Linacre Prof. of

Zoology and Comp. Anat.,
Oxford, Hon. Dir. of Oceanographical Research.

Lucas, C. E., D.Sc. Lond.

Deputy Dir. and Hd. of
Dept.

Research Biologists

- Henderson, G. T. D., B.Sc., Ph.D.
 Bristol (in charge of the
 Oceanographic Lab., Leith).
 Rae, K. M., B.Sc. Lond.
 Rees, C. B., M.Sc. Wales.
 Glover, R. S., B.Sc. Manc.
 Saville, A., B.Sc. Aberd.
 Vane, F. R., B.Sc. Liv.

Philosophy and Psychology

- Jessop, T. E., M.A. Leeds,
 B.Litt. Ox. Ferens Prof.
 Westby, G., M.A. Ox.
 (Psychol.) Lectr.
 White, A. R., B.A. Dub.
 Asst. Lectr.

Physics

- Palmer, L. S., D.Sc., Ph.D. Bristol,
 F.Inst.P. Prof.
 Jones, J. I., B.Sc., Ph.D. Wales,
 F.Inst.P. Lectr.
 Bell, J. W. F., B.Sc. Durh.
 Asst. Lectr.
 Cunliffe, A., B.Sc., Ph.D. Lond.
 Asst. Lectr.

Social Studies

- Wilson, R. C., M.A. Ox.
 Hd. of Dept.
 Clegg, H. L., B.Sc. (Econ.) Lond.
 Asst. Lectr.

Zoology

- 'Espinasse, P. G., M.A. Ox. Prof.
 Tazelaar, Mary A., M.Sc. Lond.
 Lectr.

- Trueman, E. R., B.Sc. Glas.
 Asst. Lectr.
 Lucas, C. E., D.Sc. Lond.
 (Marine Ecology) Hon. Lectr.

Ferens Lecturers

(Fine Art)

- 1946-47—Dr. Gordon Slater,
 F.R.C.O.; Noel Carrington.
 1947-48—Geoffrey Webb, M.A.,
 Slade Professor of Fine Art,
 Univ. of Cambridge.

St. John's College (Cambridge)**Lecturer**

- 1947—Sir Edward Appleton,
 G.B.E., K.C.B., D.Sc., LL.D.,
 F.R.S.
 1948—Prof. Sir Frederic Bartlett,
 C.B.E., F.R.S.

Adult Education

- Mayfield, G. E. T., B.A. Lond. Prof.

Staff Tutors

- Barmby, J. E., B.Com. Birm
 Crane, Muriel E., M.A. Edin.
 Evans, R., B.Sc. (Econ.) Lond.
 Gillett, E., B.A. Lond.
 Hoggart, H. R., M.A. Leeds.
 Marckwald, W. M.
 Reynolds, Catherine E. M., B.A.
 Ox.
 Roberts, T. J., B.A. Wales.
 Sims, Monica L., B.A. Ox.

GENERAL INFORMATION

The University College of Hull, incorporated on Oct. 7, 1927, was founded by the Right Honourable Thomas Robinson Ferens, P.C., LL.D., 1847-1930.

The College was opened to students for the first time on Oct. 11, 1928.

LIBRARY. The Library of the Coll. contains about 90,000 books and includes material for advanced research. Learned periodicals and scientific proceedings are represented by over 350 current issues, and by sets of back numbers.

DEGREE COURSES. Tuition is provided for London External degrees in Arts, Divinity, Music, Economics, Commerce, Laws, Pure Science, and for Intermediate Examination in Agriculture and Pharmacy, First Examination for Medical, Dental, and Veterinary Courses.

POSTGRADUATE WORK. Courses and facilities for research in all departments.

DIPLOMA AND OTHER COURSES. Univ. of London Dipl. in Geog.; Univ. of London Dipl. in Social Studies; Univ. of London Dipl. in Theol.; Cambridge Certif. in Education; Certif. in Education of the Univ. Coll. of Hull; Dipl. in Public Admin. of the Univ. Coll. of Hull; Associateship of the Inst. of Physics; Associateship of the Royal Inst. of Chemistry; Law Society's Exams.; Health Visitors' Courses.

ADMISSION. Students under 17 yrs. of age are not admitted without the special permission of Senate.

FEES. Tuition per annum: Degree in Arts, Comm., Econ., £27:10:6; Degree in Science, £32:10:6; Degree in Law, £15:4:6; Dipl. in Social Studies, £27:10:6; Dipl. in Public Admin., £7; Registration fee, £1; Students' Union fee, £2:12:6.

BOARDS OF FACULTIES in Arts and Pure Science. **Boards of Studies** for Public Administration, Adult Education, Education, Law.

SCHOLARSHIPS awarded annually—4 Ferens Open Scholps. of £80; 12 Open Scholps. of £40; Ferens Birthday Scholp. of £50; Frank Finn Scholp. of £40; Ritchie Rodger Scholps. of £40; District Scholps. of £40; Commercial Scholp. of £40; A. P. Needler Scholps. of £50; G. F. Grant Scholps. of £40; William Wilberforce Scholps. of £50; Beatrice Pearlman Scholp. of about £30; W. H. Slack Scholp. of £20; Adult Scholp. of £50; Reckitt Scholps. of about £50; Scholp. in Social Studies of £40.

RESIDENCE. All students in regular attendance, not living with their parents, are required to live in one of the Halls of Residence, unless special permission to the contrary is given by the Principal.

FEES: Men, £93:18s. Women, £90:18s. (This includes medical attention.) For men—Camp Hall, Warden: Dr. H. H. Lucas. For women—Needler Hall, Warden: Miss M. Beaton; Thwaite Hall, Warden: Miss J. G. Dow.

APPOINTMENTS BOARD. This Board, of which the Registrar is Secretary, advises students on future careers and assists them in obtaining both public and business appointments.

FERENS SOCIETY (Old Students' Association). President: The Principal; Chairman, E. Downing, B.Sc., Ph.D.; Secretary, Mrs. H. Phillipson, B.A.; Treasurer, E. Gillett, B.A.

Membership is open to all past members of the Students' Union, all full-time members of the Staff (Associate Members), and certain other Associate and Hon. Members who are elected by the Association.

PUBLICATIONS. *Hull Bulletins of Marine Ecology*; *Calendar* (Oct.); *General Prospectus*; Education Department, Joint Scholarships Examination Board *Prospectus*; *The Torch* (Magazine of the Students' Union), three times a year.

THE YEAR 1946-47

NEW BUILDINGS. Additional accommodation has been provided within the existing buildings for lecture rooms and laboratories, and further accommodation of a temporary character has been erected in the College grounds. Three houses have been acquired, two for use as Halls of Residence for women and the other to contain the Dept. of Education.

The College has approved an extensive building programme. A start has been made on the first building, an extension to Thwaite Hall.

NEW APPOINTMENTS. The staff of the College has been increased by the appointment of 6 lecturers and 10 assistant lecturers.

RESIGNATIONS. Prof. W. R. Niblett (Educn.), on appt. to the Chair of Education, Univ. of Leeds (Professor Niblett, with the consent of the Univ. of Leeds, continued in charge of the Dept. during the Autumn Term, 1947-48); T. W. Hutchinson (Econ.), on appt. to the London Sch. of Econ.; R. K. Kelsall (Econ.), on appt. to the staff of the Ministry of Town and Country Planning; G. M. Lewis (Maths.), on appt. by the Univ. of Glasgow; O. R. McGregor (Econ.), on appt. by Bedford College; Mrs. K. Moir (Classics); I. G. Price (Adult Educn.), on award of a Research Scholp. at the Univ. of Birmingham; N. B. Marshall (Oceanography), on appt. to the staff of the British Museum (Natural Hist.); G. W. C. Milner (Chem.), on appt. as Scientific Officer, Royal Naval Scientific Service.

VISIT OF TEACHER FROM OTHER UNIVERSITY. Dr. J. T. Sheppard, Provost of King's Coll., Cambridge, gave a lecture on Greek Poetry.

EXTRA-MURAL WORK. A total membership of 2975 attended over 100 courses arranged by the Dept. of Adult Education. These courses were held in 44 different centres. In addition to the classes, 57 public lectures were given. Through the Regional Committee for Education in H.M. Forces, 1300 single lectures and 19 classes have been arranged. 27 schools and conferences, for periods varying from 1 to 14 days have been arranged for Service personnel.

STUDENTS. Total: 510; full-time: 441; part-time: 69; the total includes 156 women and 27 postgraduates.

DEGREES OBTAINED. B.A., 23; LL.B., 1; B.Sc.Econ., 2; B.Com., 1; B.Sc., 6.

UNIVERSITY COLLEGE, LEICESTER

Founded 1918

VISITOR—PROFESSOR GILBERT MURRAY, O.M., M.A., LL.D., D.Litt., F.B.A.

CHAIRMAN OF COUNCIL—H. PERCY GEE, O.B.E., J.P.

HON. TREASURER—G. CECIL G. GEE, D.L.

PRINCIPAL—F. L. ATTENBOROUGH, M.A. Camb

REGISTRAR—H. B. MARTIN, B.Com. Lond., F.C.I.S.

ACCOUNTANT—E. C. GOLDSPIK

LIBRARIAN—Miss R. BENNETT, M.A. Lond., F.L.A.

Telephone : Leicester 652111 (3 lines).

TEACHING STAFF

Botany

Tutin, T. G., M.A. Camb, F.L.S.
Prof.

Conolly, Ann P., M.A. Camb.
Lectr.

Taylor, F. J., B.Sc. Sheff.
Asst Lectr.

Chemistry

Hunter, L., D.Sc. Lond., F.R.I.C.
Prof.

Peeling, E. R. A., B.Sc., Ph.D.
Lond. Lectr.

Harvey, S. H., B.Sc., Ph.D. Lond.
Lectr.

Shaw, Florence R., B.Sc., Ph.D.
Leeds Lectr.

Eaborn, C., B.Sc., Ph.D. Wales
Asst. Lectr.

Economics and Commerce

..... Prof.
Hoskins, W. G., M.Sc., Ph.D.
Lond. Lectr.

Hookham, M., B.Sc. (Econ.) Lond.
Lectr.

Knapp, J. A., M.A. Camb.
Asst. Lectr.

Education

Fibble, J. W., M.A., M.Ed. Leeds
Prof.

Roberts, I. E., B.Sc. Wales Lectr.
Pedley, R., M.A., Ph.D. Durh
Lectr.

English

Humphreys, A. R., M.A. Camb.
and Harvard Prof.

Collins, A. S., M.A., Ph.D. Lond.
Lectr.

Gullon, Agnes G., M.A. St. And.
Asst. Lectr.

Jones, Monica M. B., B.A. Ox.
Asst Lectr

French

Sykes, L. C., M.A. Sheff., D.Phil.
Ox. Prof.

Patterson, Mrs. H. T., M.A. Manc.,
Dip. d'Études Supérieures,
Lille Lectr.

Rasmussen, B. H., B.A. Lond.
Lectr.

Favre, A. C., L. ès L., Dip.
d'Études Supérieures, Tou-
louse Asst. Lectr.

Favre, Madame P. E., L. ès L.,
Dip. d'Études Supérieures,
Toulouse Lectrice.

Geography

Bryan, P. W., B.Sc. (Econ.), Ph.D.
Lond. Hd of Dept.

Jennings, J. N., M.A. Camb. Lectr.
 Millward, R., M.A. Camb. Lectr.

German

Powell, P. H., M.A. Wales, Ph.D.
 Rostock Lectr. in charge.
 Willson, H. B., M.A. Camb. Lectr.

History

Simmons, J., M.A. Ox. Prof.
 Roberts, Anne K. B., B.A., Ph.D.
 Lond. Lectr.
 Evans, R. H., M.A. Ox. Asst. Lectr.

History, English Local

Hoskins, W. G., M.Sc. (Econ.),
 Ph.D. Lond. Reader and Lectr. in
 charge.

Latin and Greek

Leon, P., M.A. Ox. Lectr. in charge.
 Chrimes, Kathleen M. T., M.A. Ox. Lectr.
 Wilson, A. J. N., B.A. Ox. Asst. Lectr.

Mathematics

Goodstein, R. L., B.A., M.Sc.
 Camb., Ph.D. Lond. Prof.
 Whitfield, E. V., M.A. Camb.,
 B.Sc. Manc. Lectr.
 Hirsch, K. A., Ph.D. Camb. Lectr.

Primrose, E. J., M.A. Ox. Lectr.
 Buckley, R., B.Sc. Lond. Asst. Lectr.

Music

Burrows, B., Mus D. Lond.,
 F.R.C.O.
 Gray, G. C., Mus.B. Durh.,
 F.R.C.O.

Physics

Stewardson, E. A., M.Sc. Liv.,
 Ph.D. Camb Prof.
 Haywood, C. A., B.Sc. Birm Lectr.
 Hunter, A. N., B.Sc. Lond. Asst. Lectr.
 Rose, P. H., B.Sc. Lond. Asst. Lectr.

Social Studies

McKay, Sheila S., B.A. Manc. Tutor.

Zoology

Moon, H. P., M.A. Camb. Lectr. in charge.
 Moody, Joyce, B.Sc. Sheff Lectr.
 Evans, Gillian, B.Sc. Lond. Asst. Lectr.

Extra-mural Adult Education

Allaway, A. J., M.A. Sheff. Prof.
 Collins, P. A. W., M.A. Camb. Staff Tutor.

GENERAL INFORMATION

University College was founded in 1918. The fine site and buildings, on high ground only one mile from the centre of the City, were given by the late T. Fielding Johnson in 1919, and a substantial endowment fund was subscribed by leading citizens. Courses began in 1921. The College, since its inception, has been liberally supported by the City Council, and also receives an annual grant from the Leicestershire Education Committee. In July 1945 it was recognized by the University Grants Committee and placed on the list of University Institutions receiving grants from the Exchequer.

LIBRARY. The Library contains some 47,000 volumes, and is especially notable for two collections: the Robjohn Collection of Bibles, the works of Bunyan, and early printed books; and the Hatton Topographical Library. Special attention is now being given to English Local History and to Music.

DEGREE COURSES. Students are prepared for the first and higher external degrees of the Univ. of London in the Faculties of Arts, Science and Economics.

DIPLOMA COURSES. The Education Dept. is recognized by the Ministry of Education for the training of teachers, and students are accepted for the 4-yr. Course and for the 1-yr. Postgraduate Course for the Diploma in Education. The 4-yr. Course allows 3 yrs.' preparation for a degree and 1-yr.'s professional training for the Diploma. The 1-yr. Course is open to graduates of any Univ.

Courses are provided for the College Diploma in Social Studies (2 yrs.); for the Diplomas in Geog. and in Public Admin. of the Univ. of London; for the Associateship and Fellowship of the Royal Institute of Chemistry; and for the Associateship of the Institute of Physics.

RESEARCH. Facilities are available in all Departments for postgraduate study and research, and postgraduate scholps. are offered annually.

THE EXTRA-MURAL DEPARTMENT is housed in a separate building—Vaughan College—in the centre of the City, where a wide range of courses in non-vocational subjects is provided and student amenities are available.

ADMISSION. The normal age for entry to full-time courses is 18, and the minimum standard of admission is the Matriculation Examn. of the Univ. of London. Part-time and occasional students may be admitted to certain courses.

FEES. Sessional composition fees (including subscription to Students' Union): First Degree in Arts, £30; in Science, £35; in Economics, £30; Postgraduate Courses in Arts, £10; in Science, £14; in Economics, £10; in Education, £40. Diploma Courses (other than Education), £25.

SCHOLARSHIPS AND BURSARIES. Thirteen Open Scholps., value £40-£50 for 3 yrs., and Bursaries are awarded annually on a Scholps. Examn. held early in May. The Scholps. are recognized by the Ministry of Education for University Supplemental Awards. State Scholps. are tenable at the College. Mary Ager Scholps. are available to enable students of Modern Langs. to spend a period abroad during their course. Postgraduate Scholps. for 2 yrs., of an annual value up to £200, are offered annually.

RESIDENCE. For Women—College Hall (100 students), Warden: Miss D. M. Forster, M.A. For Men—"Middlemeade," Stoughton Drive South (22 students), Warden: Mr. I. E. Roberts, B.Sc.; "Netherclose," Stoughton Drive South (35 students), Warden: Mr. C. A. Haywood, B.Sc.; "Sorrento," Manor Road (25 students), Warden: Dr. R. Pedley, M.A. Extensions to the Men's Halls are under construction.

Residence Fee £85 a session (including full board).

THE YEAR 1946-47

BENEFACTION. A bequest of £4750 was received from the estate of the late G. S. Norton, and will be used for the provision of additional Open Scholarships.

NEW BUILDINGS. An adjacent site of nine acres and a near-by site of four acres have been reserved by the City Council for extensions of the College Buildings. A temporary Refectory has been erected on the main site, and extensions of the Main Building are under construction. Plans are well advanced for a new Biological Block and building will begin in 1948. A site of eighteen acres has been acquired for new Halls of Residence for Women; and extensions are under construction in the spacious grounds of the three Halls of Residence for Men. Negotiations were started for additional playing fields and for accommodation for the proposed Institute of Education.

NEW DEPARTMENTS AND POSTS. New Chairs were instituted in English, History, French, Physics, Botany and Mathematics, and many appointments were made to additional Lectureships and Assistant Lectureships. A separate Department of German was established. Two Summer Courses for Overseas Students were arranged in collaboration with the British Council.

STUDENTS. Total: 230; full-time: 218; part-time: 12; the total includes 63 women and 23 postgraduates.

DEGREES OBTAINED. B.A., 7; B.Sc., 7; M.Sc., 2.

UNIVERSITY COLLEGE OF NOTTINGHAM

[A Charter constituting and founding the University of Nottingham
was granted in July 1948]

Founded 1881

PRESIDENT—The Right Hon. LORD TRENT, D L.

VICE-PRESIDENT—Alderman Major T. P. BARBER, D S O , T.D., B.A.,
D.L.

PRINCIPAL—B. L. HALLWARD, M.A. Camb.

REGISTRAR—H. PICKBOURNE, B.A. Lond.

LIBRARIAN—G. ELLIS FLACK, M.A. Camb.

Telephone : Beeston 54265.

Telegrams : University, Nottingham.

TEACHING STAFF

Agriculture, etc., v. infra

Botany, v. also Agr.

Chesters, C G. C., B.Sc. Glas,
M Sc., Ph.D. Birm. Prof.
Holden, H. S., D Sc. Manc., F.L.S.
(Palæobot.) Hon Reader.
Bexon, Dorothy, M Sc. Lond.,
F.L.S. Lectr.
Ellis, Myfanwy, M Sc. Wales,
F L.S. Lectr.
Street, H. E., B.Sc., Ph D. Lond.,
Ph.C. Lectr.
Dormer, K. J., B.Sc., Ph D. Lond
Lectr.
Morgan, J. Pamela, B.Sc. Reading
Asst. Lectr.
Midgley, Margaret B., B.Sc., Ph.D.
Leeds Demr.

*Building Construction, etc., v.
infra*

Chemistry

King, F. E., M A., D.Phil., D.Sc.
Ox., Ph.D. Lond.
Sir Jesse Boot Prof.
Laxton, F. C., T.D., B.Sc. Lond.
Lectr.
Shaw, B. D., M.M., T.D., B.Sc.,
Ph.D Lond. Lectr.

Roberts, J. C., B.Pharm., B.Sc.,
Ph.D. Lond. Lectr.
Jordan, D. O., M.Sc., Ph.D. Lond.
Lectr.
Addison, C. C., D.Sc., Ph.D. Durh.,
F.R.I.C., F.I.P. Lectr.
Partridge, M. W., B.Pharm., B.Sc.,
Ph D. Lond. Lectr.
Elmore, D. T., B.Sc. Lond.
Asst. Lectr.
Everdell, M. H., B.Sc., Ph.D.
Lond. Asst. Lectr.
Hutchinson, S K., B.Sc. Lond.
Asst Lectr.
Smith, Peter, B.Sc. Lond.
Asst. Lectr.
Cooper, F. C., B.Sc., B.Pharm.
Lond. Asst. Lectr.
Allen, M., B.Sc. Lond. Demr
Anderson, A. S., B.Sc. Lond.
Demr.
Beckitt, J C., B.Sc. Lond. Demr.
Hales, W. L., B.Sc. Lond. Demr.
Selby, K., B.Sc. Lond. Demr.
Taylor, A. J., B.Sc. Lond. Demr.

Classics

Barker, E. P., M.A. Ox., D.Litt.
Durh. Prof.

Heichelheim, F. M., D.Phil. Lectr.
Giessen
Whittaker, Molly, M.A., M.Litt. Lectr.
Camb.
Chalmers, W. R., M.A. Edin. Asst. Lectr.

Dairying, v. infra

Economics and Social Studies

Radford, A., B.Sc. (Econ.) Lond. Dir. of Dept.
Blythen, S., O.B.E., F.C.A., F.S.A.A. (Acctcy.) Hon. Prof.
Wells, F. A., B.Sc. (Econ.), Ph.D. Lond. (Applied E.) Reader.
Gabor, A., B.Sc. (Econ.) Lond. Lectr.

Chambers, J. D., B.A., Ph.D. Lond. Lectr.
Forster, Sheelah de C., M.A. Ox. Lectr.
Robertson, Mary F., M.A. Edin. Asst. Lectr.
Eyden, Joan L. M., B.A., B.Sc. (Econ.) Lond. Asst. Lectr.
Woodruff, W., M.A. Ox. Asst. Lectr.
Harkness, Isabella M., M.B., Ch.B., D.P.H. Pt.-time Lectr.
Spelman, Eileen M., B.A. Lond. Pt.-time Lectr.
Morell, A. L., F.C.A. Pt.-time Lectr.
Barback, R. H., B.Sc. (Econ.) Lond. Tutorial Asst.
Shaw, Margaret, B.Sc. (Econ.) Lond. Research Asst.

Education

Haycocks, N., M.A. Manc. Prof.
Sumner, W. L., B.Sc. Lond. Lectr.
Stewart, A. H., B.A. Lond. Lectr.
Lloyd, A., M.A. Birm., Ph.D. Camb. Lectr.
Flower, N. C., M.Sc. Durh. Lectr.
Gopsill, G. H., M.A. Birm. Lectr.
McNicol, H., M.A. Dub. Lectr.

Mumford, Ivy L., M.A. Lond. Lectr.

Engineering, Civil

Bulleid, C. H., O.B.E., M.A. Camb. Prof.
Robertson, R. G., B.A. Ox. Lectr.
Coates, R. C., B.Sc. (Eng.) Lond. Lectr.

Engineering, Electrical

Cotton, H., M.B.E., D.Sc. Manc., F.R.Met.S. Prof.
Swann, S. A., B.Sc. (Eng.) Lond. Lectr.
Alexander, W., M.Sc. Lond. Lectr.
Gimson, C. E., B.Sc. (Eng.) Lond. Asst. Lectr.

Engineering, Mechanical

Bulleid, C. H. (v. Engin., Civil) Prof.
Dickson, J. M., T.D., B.Sc. Lond. Lectr.
Rolinson, J. G. Lectr.
Davies, D. M., B.Sc. Lond. Asst. Lectr.

English

Pinto, V. de S., M.A., D.Phil. Ox., F.R.S.L. Prof.
Hewitt, R. M., M.A. Ox. (Comp. Lit.) Hon. Reader.
Hibbard, G. R., M.A. Lond. Lectr.
Housman, J. E., B.A. Lond. Lectr.
Selby, Alice, M.A. Camb. Pt.-time Lectr.
Welland, D. S. R., B.A. Lond. Asst. Lectr.
Allum, Jeanne, B.A. Lond. Asst. Lectr.

English Studies for Overseas Students

Hawthorne, T. S. B., M.A., B.Litt. Dub. Lectr. and Tutor.

French

Holdsworth, F., M.A. Sheff., D. de l'U. Paris Prof.
Guigou, Marguerite C., L. ès L. Lausanne Lectr.

Smith, Jozy, B.A. Lond. Lectr.
 Thorpe, L., B.A. Lond., L. ès L.
 Lille Lectr.
 Christie, J., M.A. Glas., L. ès L.
 Lyons Asst. Lectr.

Geography

Edwards, K. C., M.A. Lond.
 Reader and Hd. of Dept.
 Fuller, Joan G., M.A. Lond. Lectr.
 Allen, Winifred M., B.Sc. Lond.
 Asst. Lectr.
 Moisley, H. A., B.Sc. Leeds
 Asst. Lectr.
 Fryer, D. W., M.Sc. (Econ.) Lond.
 Asst. Lectr.

Geology, v. also Agric.

Marshall, C. E., Ph.D. Durh., D.Sc.
 Birm., F.G.S. Prof.
 Richardson, W. A., O.B.E., B.A.,
 D.Sc., B.Sc. (Eng.) Lond.,
 F.G.S.
 (Petrology) Hon. Reader.
 MacLennan, Rhona M., B.Sc.,
 Ph.D. Glas., F.G.S. Lectr.
 Black, W. W., B.Sc., Ph.D. Leeds
 Lectr.
 Elliott, R. B., B.Sc. Durh.
 Asst. Lectr.
 Henson, F. A., B.Sc. Reading
 Asst. Lectr.
 Rutledge, H., B.Sc. Durh.
 Asst. Lectr.

German

Walshe, M. O'C., M.A. Lond.
 Reader and Hd. of Dept.
 Schweizer, W. R., Ph.D. Berne
 Lectr.
 Smith, N. H., M.A. Ox.
 Asst. Lectr.

History

Owen, L. V. D., M.A. Ox. Prof.
 Oswald, F., D.Sc. Lond., F.S.A
 (H. of Roman Brit.)
 Hon. Reader.
 Wood, A. C., M.A., B.Litt.,
 D.Phil. Ox. Reader.
 Brameld, Nina M., M.A. Lond.
 Lectr.

Fryer, W. R., B.A., B.Litt. Ox.
 Asst. Lectr.

Horticulture, v. *infra**Italian*

Threlfall, A. Pt.-time Lectr.

Law

Crane, F. R., LL.B. Lond. Prof.
 Gray, H. R., LL.B. Lond.
 Asst. Lectr.
 Boot, W. A., M.C.
 Pt.-time Lectr.
 Rothera, A. C. G.
 Pt.-time Lectr.
 Morell, A. L., F.C.A.
 Pt.-time Lectr.

Mathematics

Piaggio, H. T. H., M.A. Camb.,
 D.Sc. Lond. Prof.
 Green, H. Gwynedd, M.A. Camb.
 Reader.
 Underwood, F., M.Sc. Lond. Lectr.
 Prior, L. E., M.Sc. Lond. Lectr.
 Dallas, A. E. M. Marta, M.A.,
 B.Sc. Edin. Lectr.
 Goldie, A. W., M.A. Camb.
 Asst. Lectr.
 Power, G., M.B.E., M.A. Ox.
 Asst. Lectr.

Mining and Fuels

Hinsley, F. B., D.Sc. Birm. Prof.
 Bowen, A. R., Ph.D., D.Sc. Birm.,
 F.R.I.C. (Petroleum Techno-
 logy) Hon. Reader.
 Watson, J. M. R., B.Sc. Glas.
 Lectr.
 Cummings, A. D., M.Sc. Lond.,
 F.I.F. Lectr.
 Roberts, A., M.Sc. Durh. Lectr.

Music

Laming, F. M., B.Mus. Lond.
 Lectr.

Pharmacy

Trease, G. E., B.Pharm. Lond.,
 F.R.I.C., F.L.S.
 Reader and Hd. of Dept.
 Turner, H. A., B.Sc. Lond. Lectr.

Watson, Gertrude M., B.Pharm.
 Lond. Lectr.
 Campbell, Mary E., B.Pharm.
 Lond. Asst. Lectr.
 Evans, W. C., B.Pharm. Lond.
 Demr.
 Lewis, J. W. C., B.Pharm. Lond.
 Demr.

Philosophy

Sprott, W. J. H., M.A. Camb.
 (Logic and Psychol.)
 Reader and Hd. of Dept.
 Joynson, R. B., B.A. Ox.
 (Psychol.) Lectr.

Physics

Bates, L. F., B.Sc. Bristol, Ph.D.
 Camb., D.Sc. Lond., F.Inst.P.
 Lancashire-Spencer Prof.
 Davy, N., M.M., D.Sc. Lond.
 Reader.
 Yarnold, Rev. G. D., M.A., D.Phil.
 Ox. Lectr.
 Street, R., M.Sc. Lond. Lectr.
 Bolton, H. C., B.Sc., Ph.D. Lond.
 Asst. Lectr.
 Woolley, J. C., B.A. Camb.
 Asst. Lectr.

Browning, H. Mary, M.Sc., Ph.D.
 Lond., F.I.P. Pt-time Lectr.
 Davis, J. H., B.Sc. Lond. Demr.
 Lee, E. W., B.Sc. Lond. Demr.

Physiology

Barber, H. H., B.Sc., Ph.D. Lond.,
 F.R.I.C.
 Lectr. & Actg. Hd. of Dept.
 Haynes, F., M.A. Camb Lectr
 Fletcher, J. G., B.Sc. Manc.
 Demr.

Poultry Husbandry, v. infra

Slavonic Languages

Lavrin, J., F.R.S.A. Prof.
 Partridge, Monica A., B.A. Lond.
 Tutorial Asst.

Spanish

Stagg, G. L., M.B.E., M.A. Camb.
 and Harvard Lectr.

Spoken Language

Wilkins, Joyce L. Lectr.
 Hitchman, P. J., B.A. Lond.
 Speech Specialist.

Theology

Kilpatrick, Rev. G. D., M.A., B.D
 Ox. Reader and Hd of Dept.

Veterinary Science, v. infra

Zoology, v. also Agric.

Barrington, E. J. W., M.A., D.Sc
 Ox., F.L.S.
 Reader and Hd. of Dept
 Young, May R., B.Sc. Edin Lectr.
 Satchell, G. H., B.Sc. Lond., Ph.D.
 Leeds Lectr.
 Aitken, A., B.Sc. Glas. Lectr.
 Dawes, T. M. Eileen, B.Sc. Lond.
 Demr.

Adult Education

Peers, R., O.B.E., M.C., M.A. Liv.,
 J.P. Prof.
 Wiltshire, H. C., M.A. Lond.
 Deputy Director of
 Extra-mural Studies.

Staff Tutors

Eagle, E. C., B.Sc (Econ.) Lond.
 (Economics).
 Lees, J. P., M.A. Camb. (Political
 Theory).
 Simpson, S. J., B.Sc (Econ.) Lond.
 (Economic History).
 Cowley, L. D., B.A., Ph.D. Lond.
 Tutor in charge of Training.

Organizing Tutors

Barley, M. W., B.A. Reading,
 F.S.A. (Nottinghamshire).
 Stadler, K. R., B.A. Bristol and
 Lond. (Derby).
 Thornton, A. H., M.A. Durh.
 (Derbyshire).
 Gregory, J. S., B.A. Lond. (Derby-
 shire).
 Champion, A., M.A. Camb (Hol-
 land).
 Smith, A. E., M.A. Leeds (Lindsey).

Hosford, W. H., B.Sc. (Econ)
Lond. (Kesteven).

Featherstone, H. L., M.A. Durh.
(Mining Centres).

Tutorial Assistants

Manley, Yvonne, B.Sc. (Econ)
Lond.

Bedale, Joan E., B.A. Lond.

Agriculture and Horticulture

Agriculture

Robinson, H. G., M.Sc. Durh
Prof. and Director of
School

Calder, C. R., B.Sc. Lond. Lectr.
Grant, H. T., B.Sc. Glas.

Asst. Lectr.

McCowan, N. M., B.Sc. Glas.
Demr.

McDermott, Mrs. Norah
Potato Research.

Agric. and Dairy Bacteriology

Brindley, Marjorie Lectr.
Graham, Elizabeth M., B.Sc. Read.
Demr.

Agric. Botany (v. also Botany- *supra*)

Dent, K. W., B.Sc., Ph.D. Birm.
Lectr.

Edwards, Miriam M., B.Sc., Ph D.
Manc. Lectr.

Stirrup, H. H., M.Sc. Birm.
Hon. Lectr.

Agric. Chemistry

Burns, A. C., M.Sc. Manc., F.R.I.C.
Lectr. and Hd. of Dept.

Ling, E. R., M.Sc. Lond., F.R.I.C.
Lectr.

Wilson, R. R., B.Sc. Lond
Asst. Lectr.

Agric. Economics

Heath, W. H., B.Sc. Lond.

Reader and Hd. of Dept.

Smith, J. H., M.Sc. Wales Lectr

Wood, R. O., M.Sc. Lond.
Asst. Lectr.

8 Technical Assts.

Agric. Engineering

Chatterton, J., D.F.C., B.Sc.
Lond. Asst. Lectr.

Agric. Geology (v. *Geology supra*)

Agric. Zoology (v. also *Zoology supra*)

Holden, E., M.Sc. Manc. Lectr.

Building Construction, etc.

Popplewell, J. W.

Dairying

Stafford, J. G. W.
Lectr. and Hd. of Dept.

Scott, R.

Potts, Ruth, B.Sc. Read.
Asst. Lectr.

Horticulture

Pearl, R. T., M.Sc. Lond., D.I.C.
Reader and Hd. of Dept.

Martyr, R. F., B.Sc. Lond. Lectr.

Marston, Margaret D., B.Sc. Lond.
Asst. Lectr.

Smith, Nancy M., B.Sc. Lond.
Demr.

Whiteley, Margaret P., B.Sc.
Lond. Demr.

Poultry Husbandry

Shaw, R. B.
Lectr. and Hd. of Dept.

Nightall, E. W. Asst. Lectr.

Gaughan, Moira L. Demr.

Veterinary Science

Buxton, T. J. Hon. Lectr.

GENERAL INFORMATION

The College was opened in 1881 and incorporated in 1903. A Supplemental Charter was granted in 1938. The College was transferred to new buildings in University Park in 1928, but the Dept. of Mining and Fuels is still housed in the old buildings in Shakespeare Street, Nottingham, which are now occupied by the Nottingham and District Technical College.

LIBRARY. The Library of the College contains about 90,600 volumes and 30,400 unbound pamphlets—amongst which are great series, such as Migne, Corpus Inscriptionum Latinarum, Inscriptiones Graecae, Calendar of State Papers, Rolls. Special collections include the French Revolution and Napoleonic Collection, which originally formed part of the Crawford Collection, 2000 volumes; the Henry Mellish Meteorological Collection, 700 volumes; a valuable collection of Slavonic literature, including a section devoted to Russian post-revolutionary literature, 900 volumes, and the D. H. Scott collection of 6200 pamphlets in the field of Palaeobotany. The Library also possesses a considerable collection of manuscripts and deeds, mainly of local interest. Current periodicals number over 500.

MUSEUMS. Archaeological, houses the Margidunum Collection of Roman pottery made by Dr. Felix Oswald. Geological. Also scientific collections in various labs. and objects of historical interest distributed about the Coll. buildings. Curator: H. H. Swinnerton, D.Sc., Prof. Emeritus (Geol.).

DEGREE COURSES. For London External degrees in Arts, Theology, Music, Econ., Com., Laws, Pure Science, Pharm., Agric., Hort., Engin., Mining; also for the First Medical Examn.

POSTGRADUATE WORK. Facilities for research in all depts. Postgraduate Diplomas in Adult Education and Systematic Mycology.

DIPLOMA AND OTHER COURSES. Diploma of the College in Adult Education, Com., Social Studies, Geog., Agric., Hort., Dairying, Poultry Husbandry, Engin. (Civil, Mech., Elec.), Mining, Fuel Technology; Cambridge Certificate in Education; Teachers' Certificate of the Nottingham University Coll. Inst. of Education; Assoc'ship of the Insts. of Chem. and Physics; Law Society's Exams.; Pharm. Diplomas; National Diplomas in Agric., Hort., Dairying and Poultry Husbandry.

Special course in English Studies for overseas students. Diploma in English Studies and a Certificate of Proficiency in English are awarded and students may prepare also for the Cambridge Certificate of Proficiency.

ADMISSION. Students under 17 not admitted without special permission of Principal. Students may be required to give satisfactory evidence as to character. Students from overseas are generally required to apply through the appropriate Government Authority for the country in which the student is domiciled.

BOARD OF FACULTIES in Arts, Pure Science, Agric. and Hort., and Applied Science. Boards for courses in English Studies for overseas students and Advisory Committee for Social Studies.

ADVISER TO ORIENTAL STUDENTS. H. Gwynedd Green, M.A.

FEES. Tuition, per annum: Degree or Diploma courses in Arts, Theology, Econ. and Commerce, Laws, Social Studies, English Studies for overseas students, £28: 10s.; Pure Science, Pharm., Agric., Hort., Engin., Mining, Fuel Technology, £36.

RESEARCH SCHOLARSHIPS, ETC. Research Studentships in all Faculties, £250 p.a., which may be increased to £300 p.a. if renewed for third year. Four Scholps. in Arts from £50 to £150 p.a.; two Scholps. in Science from £100 to £200 p.a.; other research studentships and grants.

RESIDENCE. For men, Hugh Stewart Hall (Warden: P. P. Butters), adjoining University Park; for women, F. B. Hall (Warden: Eileen M. Spelman, B.A.), in University Park; for women students in the Dept. of Social Studies, Lenton Firs (Wardens: Mr. and Mrs. A. Radford); also in

grounds adjoining University Park. Students not accommodated in a Hall of Residence must live in College Registered Lodgings—35s. to 40s. per week.

UNIVERSITY EXTENSION. Adult Education is organized as a department of the Faculty of Arts. The Head of the Dept., a full-time professor, is assisted by a Deputy Director of Extra-mural Studies, 3 staff tutors, 8 organizing tutors, 1 tutor in charge of training, and many part-time tutors and lecturers. Lenton Hurst, in grounds adjoining University Park, has been established as a residential College for Adult students.

PUBLICATIONS. *Calendar*, 2s. 6d.; *Prospectus*, 6d.; *Students' Magazine*, *The Gong*; *Students' Handbook*.

THE YEAR 1946-47

BENEFACTIONS. Bequest of £1000 towards the Endowment Fund under the will of Mrs. Lucy Derbyshire. Carved oak table and chair presented by the staff and students of Goldsmiths' Coll., London, evacuated to the College, 1939-46. Collections of manuscripts by Lord Middleton and by the Duke of Portland. Collection of 2500 British and European butterflies by the widow of the late Mr. A. E. Musgrave.

NEW BUILDINGS. Completion of laboratories and lecture rooms for Depts. of Chem. and Geog. Additional accommodation for women students at Lenton Firs Hall of Residence in progress. Plans approved for erection of Hall of Residence for 130 men students on the Lenton Fields Estate and for a temporary building for the Dept. of Mining and Fuels which is being transferred to University Park from the former Coll. buildings in Shakespeare Street.

NEW DEPARTMENTS AND POSTS. Careers and Appointments Board established (Secretary: J. J. Jowett, B.A.). Appointment of Lodgings Officer (S. C. Howard).

OTHER DEVELOPMENTS. School of Agriculture established by the complete transfer to the College of the Midland Agricultural College, Sutton Bonington; Prof. H. G. Robinson, M.Sc., appointed Director of the School.

Institute of Education established; Dr. M. M. Lewis, M.A., appointed Director of the Institute.

EXTRA-MURAL WORK. Number of classes and courses was 225, including 53 Tutorial classes, 80 Sessional classes, 1 Extension lecture class, 62 Shorter courses, 16 Short courses, 3 Terminal courses, 6 Short Terminal courses, and 4 Informal courses.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. P. Legouis (Lyons)—“*Racine en plein air*”; Prof. Raymond Las Vergnas (Paris)—“*La Littérature périodique en France*”; Prof. Daniel Mornet (Paris)—“*Literature of the Salon*”; Monsieur René Lalou—“*Tendances de la littérature française du XIX^e siècle*”; Dr. Marion Roques (École des Hautes Études, Paris)—“*Villon*”; Dr. R. A. Hull (Brasenose College, Oxford)—“*The Approach to Absolute Zero*”; Prof. P. M. S. Blackett (Manchester)—“*New Ideas in Cosmic Rays*”; Prof. H. T. Flint (Bedford College)—“*The Limitations of Atomic Physics*”; Prof. G. A. H. Buttle (London)—“*Pharmacology and the Pharmacist*.”

RETIREMENTS. Dr. Edith Becket (Lectr. in Educn.); Agnes Moncrieff (Lectr. in Educn.).

RESIGNATIONS. Winsome Donaldson (Dairying); J. N. Dominy (Agric.), on appt. as Lectr., Univ. of Reading; A. S. Edmondson (Physics), on appt. as

Lectr. at the Sir John Cass Inst., London ; C. E. Fleming (Adult Educn.), to undertake research work at the Univ. of Oxford ; J. M. Gulland (Sir Jesse Boot Prof. of Chem.), on appt. as Director of Research in the Inst. of Brewing ; E. G. Harrison (Physics), on appt. to the L.M.S. Research Dept., Derby ; G. R. C. Keep (Adult Educn.), to undertake research work at McGill Univ. ; J. W. King (Civil Engin.), on appt. as Reader in Civil Engin. at Queen Mary Coll., London ; W. G. Overend (Chem.), to take up Research Fellowship at the Univ. of Birmingham ; H. Smith (Chem.), on appt. as Scientific Officer in the Ministry of Supply ; W. A. C. Stewart (Educn.), on appt. to Cardiff Univ. Coll. ; E. O'F. Walsh (Pharm. Chem.), on appt. as Senior Lectr. in Chem. Physiol. at the Royal Free Hosp. Sch. of Med., Univ. of London ; Gwen Walsh (Physiol.).

DEATH. H. A. S. Wortley, M.A., Principal of the College since 1935.

STUDENTS. Total: 1534; full-time: 1423; part-time: 111; the total includes 497 women and 30 postgraduates. Extra-mural: 3495.

DEGREES OBTAINED. B.A., 61; B.Sc. (Econ.), 4; B.Com., 2; B.Sc., 61; B.Pharm., 8; B.Sc. (Eng.), 33; B.Sc.Eng. (Min.), 2; B.Sc. (Agric.), 5; B.Sc. (Hort.), 1; D.Sc., 1; M.Sc., 3; Ph.D., 2.

UNIVERSITY COLLEGE, SOUTHAMPTON

Founded 1850

VISITOR—Rear Admiral THE VISCOUNT MOUNTBATTEN OF BURMA, K.G.,
P.C., G.M.S.I., G.M.I.E., G.C.V.O., K.C.B., D.S.O.

PRESIDENT—.....

VICE-PRESIDENT—.....

PRINCIPAL—Sir ROBERT S. WOOD, K.B.E., C.B., M.A. Camb.

TREASURER—F. WOOLLEY, J.P.

REGISTRAR—ERNEST DYSON, M.A. Camb.

LIBRARIAN—Miss M. I. HENDERSON, M.A. Edin.

Telephone : Southampton 74071 (4 lines).

TEACHING STAFF

Botany

Mangham, S., M.A. Camb. Prof.
Loader, Freda M., B.Sc. Lond.

Arney, S. E., B.A. Ox. Lectr.
Lane, G. R., B.Sc. Lond. Lectr.

Chemistry

Adam, N. K., M.A., Sc.D. Camb.,
F.R.S., F.R.I.C. Prof.

Campbell, Ishbell G. M., B.Sc.,
Ph.D. St. And. Lectr.

Webb, K. R., B.Sc., Ph.D. Lond.
Lectr.

Balson, E. W., B.Sc. Lond. Lectr.
Chapman, N. B., M.A., Ph.D.
Camb. Lectr.

Cartmell, E., B.Sc. Lond. Lectr.
Burkin, A. R., B.Sc. Lond.,
F.R.I.C. Temp. Lectr.

Parker, R. E., B.Sc. Lond.
Asst. Lectr.

Hargreaves, F., D.I.C., F.R.I.C.
(Metallurgy) Sp. Lectr.

Barron, H., B.Sc., Ph.D., F.R.I.C.
(Plastics) Sp. Lectr.

Hills, F. D., B.Sc. Lond. Demr.

Classics

Forsey, G. F., M.A. Lond. Prof.

Markwick, Mrs Amy T., B.A.,
Ph.D. Camb. Lectr.

Whittaker, C. W., B.A. Ox.
Asst. Lectr.

Douglas, A. E., B.A. Ox.
Asst. Lectr.

Economics and Geography

Ford, P., B.Sc. (Econ.), Ph.D.
Lond.

Prof. of Econ. and Hd.
of Dept. of Geog.

Miller, Florence C., B.A. Leeds
(Geog.) Sr. Lectr.

Hodgson, R. A., B.Com. Lond.,
Dip. in Pub. Admin. Lectr.

Armstrong, W. E., M.A. Camb.
Lectr.

Richards, P. G., B.Sc. (Econ.)
Lectr.

Rees, J. C., M.A., B.Sc. (Econ.)
Lectr.

Young, Agnes F., M.A. Liv.
(Soc. Studies) Lectr.

Ashton, E. T., B.A. Ox. (Soc.
Studies) Asst. Lectr.

Tavener, L. E., M.A. Camb.
(Geog.) Lectr.

Spanglet, Gisela, B.Com.
Stat. Asst.

Kemp, T., B.Sc. (Econ.)
 Alexander, Cynthia J., B.Sc. Lond.
 (Geog.) Asst. Lectr.
 Robinson, G. W. S., M.A. (Geog.)
 Asst. Lectr.

Education

Dudley, G. G., B.A. Lond., LL.B.
 R.U.I. Prof.
 Hales, Rhona B., M.A. Ox., B.D.
 Lond. Lectr.
 Percy, I. H., B.A. Lond. Lectr.
 Harry, H. T., B.Sc. Bristol
 Pt.-time Lectr.

Asst. Lectrs. (part-time)

Ricks, Elsie M. (Phys. Training
 and Hyg., Women).
 Anderson, G. W. (Phys. Training
 and Hyg., Men).

Engineering

Cave-Browne-Cave, Wing Com-
 mander T. R., C.B.E.,
 F.R.Ae.S. Prof.

Engineering, Aeronautical

Tanner, T., D.I.C. Lectr.

Engineering, Civil

McPherson, D. H., B.Sc. Edin.
 Lectr.
 Ashwell, D. G., B.A. Camb. Lectr.

Engineering, Electrical

Spary, P. G., B.Sc. (Eng.) Lond.,
 M.Eng. Sheff. Sr. Lectr.
 Chester, C. E., B.Eng. Sheff.
 Lectr.

Steven, R. E., B.Sc. Belf. Lectr.
 Gregson, T. W., M.A. Camb.
 Asst. Lectr.

Yorke, R., B.Eng. Asst. Lectr.

Engineering, General

Leech, H. J., A.M., A.F.M.
 Experimental Engineer.
 Ritchie, J. D.
 Asst. Experimental Engineer.

Engineering, Marine

Sword, J. H. Lectr. in Charge.
 Smith, W. S. Lectr.

Engineering, Mechanical

Glover-James, H., B.Sc. (Eng.)
 Lond., Dip. Eng. Edin.

Cook, A. F., B.A. Camb. Lectr.
 Sara, H. J., B.Sc. Lond. Lectr.
 Aplin, W. N. Lectr.
 Alford, B. C., B.Sc. Lond. Lectr.
 Murgatroyd, J. L., B.Sc. Lond.
 Asst. Lectr.

Ray, P. N., B.A. Ox. Asst. Lectr.
 Jolley, E. S. Asst. Lectr.
 Young, J. Asst. Lectr.

English Lang. and Lit.

Wright, B. A., M.A. Ox. Prof.
 Brooks, K. R., M.A., D.Phil. Ox.
 Sr. Lectr.
 Prince, F. T., B.A. Ox. Lectr.
 Sharrock, R. I., B.A., B.Litt. Ox.
 Lectr.
 Swannell, J. N., B.A. Lond.
 Asst. Lectr.

Geology

Wisden, Dorothy E., B.Sc. Durh.
 Lectr.

History

Rothwell, H., B.A. Manc., Ph.D.
 Camb. Prof.
 Merson, A. L., B.A. Ox. Lectr.
 Neumann, K. J., LL.D. Prague,
 D.Phil. Lectr.
 Pelham, R. A., M.A. Wales, Ph.D.
 Birm. (Historical Geog.)
 Lectr.

May, Daphne M., B.A. Ox.
 Asst. Lectr.
 Crook, Mrs. Joan H., B.A. Lond.
 Asst. Lectr.

Pugh, T. B., B.A. Ox. Asst. Lectr.
 Crawford, O. G. S., F.S.A., F.B.A.
 (Field Archæol.) Hon. Lectr.

Mathematics, Pure and Applied

Davies, E. T., D.Sc., Ph.D. Lond.,
 D.Math. Rome Prof.
 Trout, Annie M., B.A. Lond.

Sr. Lectr.
 Maunsell, F. G., M.A., Ph.D.
 Camb. Lectr.

Liebetegger, A., Ph.D. Vienna
Lectr.
Walls, Nancy, M.A. Edin. Lectr.
Clark, R. S., M.Sc. Lond. Lectr.
Davies, D. R., M.Sc., Ph.D. Lond.
Lectr.
Manwell, A. R., B.Sc. Asst Lectr.
Day, R. H., B.Sc. Asst. Lectr.

Modern Languages

Lawton, H. W., M.A. Wales, D de
l'U. Paris
Prof. (French) in Charge of
Dept.
Lucas, W. I., M.A. Brist., Ph.D.
Heidelberg
(German) Sr. Lectr.
Fargher, R., M.A., B.Litt., D. Phil.
Ox.
(French and Spanish) Lectr.
Beaumont, E., M.A., Ph.D. Lond.
(French) Lectr.
Neuschaeffer, W., Ph.D. Heidel
(German) Lektor, (Rus-
sian) Lectr
Lindahl, M. S., B.A. Camb.
(French and German)
Asst Lectr.

Wilson, W. L., M.A.
(German) Asst. Lectr.
Eastman, Mrs. Simeone P, Brev.
Sup., O.A. (French) Lectrice.

Music

Williams, D. C., Mus.Bac. Durh.,
F.R.C.O. Dir.

Navigation

Wakeford, G. W., R.N.R.,
F.R.A.S.
Dir of Navigational Studies.
Branch, Wing-Comdr. W. J. V.,
O.B.E. Hd. of Sr. Dept
Stewart, H. Hd. of Jr. Dept.
Nicholls, A. Sr. Lectr.

Lecturers

Pursey, H. J.
Whittle, G.
Alger, Lieut. K. R.
Boyd, Lieut.-Comdr. N K., D.S.C.

Canton, F/Lt W. V., F.R.Met S.
Clark, Lieut -Comdr. C. A. H.,
R.D.
Isherwood, J. H.
Mackillop, F/Lt. E. D. J.
Pierce, Lieut.-Comdr. A. H.,
O B.E., R.D.
Roberts, S/Lr. C. W.
Rose, Lieut -Comdr. J. N.
Thomas, F/Lt. J. C.
Clissold, Comdr. P., R.N.R.

Instructors

Shelley, Chief Yeoman W. F.
Blyth, A.
Symes, E.
Kuhlmann, H., B.E.M.

Philosophy

Dudley, G. G., B.A. Lond., LL.B.
R.U.I. (Logic) Lectr.

Physics

Taylor, A. M., M.A., Ph.D. Camb,
F Inst P Prof.
Zepler, E. E., D.Phil. Würzburg
(Telecommunications) Lectr.
Weintroub, S., M.A. Ox. Lectr.
McNeill, D. B., M.Sc., Ph D. Belf.
Lectr.
Punnett, S. W., B.Sc. Lond. Lectr.
Kellner, K., Ph.D. Edin. Lectr.
Finn, E. J. Lectr.
Jerrard, H. G., B.Sc. Lond.
Asst. Lectr.

Myers, W. R., B.Sc. Lond.
Asst. Lectr.
Braybon, J. E. H., B.Sc. Lond.
Asst Lectr.
Mercer, D. M. A., B.Sc., M.A.
Asst. Lectr.

Radiotelegraphy

Orba, A., B.Sc. Glas. Lectr
Hall, E. Asst. Lectr.

Theology

Livesey, Rev. H., M.A., L.Th.,
F.R.A.I. Supervisor of Studies.
Hon. Lecturers
Leeson, Rev. Canon S. G., M.A.
(Philos. of Religion).

Frith, Rev. H. I., M.A., B.D.
(Biblical & Historical Theol.).
Macbeth, Rev. C. R., M.A. (Church
Hist.).

Zoology

Raymont, J. E. G., B.Sc. Lond.,
A.M. Harv. Prof.
Hall, R. E., B.Sc. Lond. Lectr.
Hockley, A. R., B.Sc. Lond. Lectr.
Fairbairn, W. E., B.Sc. St. And.
Lectr.

Adult Education

Head of Dept.: J. Parker, M.A.
Durh. Tutor Organizers: J.
R. Armstrong, M.A. Camb.,
R. Mullins, B.A. Lond., A. G.
Geddes, B.A. Lond., P. J. de
Grouchy, M.A., P. G. H.
Hopkins, B.A.
Inst. of Educn., Secy.—W. C. R.
Hicks, D.Phil. Erlangen, B.A.
Lond.

GENERAL INFORMATION

Founded 1850; opened as the Hartley Institution, 1862. Incorporated as the Hartley University College under a scheme of the Board of Education, 1902. The College has been unofficially known as "University College, Southampton" for many years, but the corporate name still is "Hartley University College at Southampton."

The Edward Turner Sims Library and the Departmental Libraries contain about 68,000 volumes. Special collections include the Cope collection of works relating to Hampshire, the Montefiore Theological Library and the Gurney-Dixon Dante Collection. Current periodicals number over 300. The Library is recognized by the Master of the Rolls and the British Records Association as a depository for Manorial Records and for deeds and documents of local interest.

The Cotton Collection of Birds is housed at the College. This collection is unique, and represents many types of birds unprocureable for any collection at the present day.

The College provides courses in Arts, Science, Commerce, Engineering (Civ., Mech., Elec., Aeronautical) and Music in preparation for the External degrees of the Univ. of London; for entrance into the Civil Service and for 1st-yr. studies in Medicine, Pharmacy, Surveying, etc. It is recognized as a Training College for Teachers. The School of Navigation is recognized by the Ministry of Transport. There is special provision for aeronautical instruction (5 ft. wind tunnel); aircraft manufacturing firms in district provide opportunities of keeping in close touch with practical aircraft construction. The College also provides courses in Marine Engineering.

Through its evening classes (attended by about 1500 students) the College performs the function of a Senior Technical Institute.

The Associateship of the College (Assoc. U.C.S.) implies, unless honorary, attendance during 2 yrs. (4 yrs. for evening and part-time students).

There are special courses in Social Studies for graduates and others, and diplomas and certificates are awarded.

ADMISSION. Candidates aged 17 (though students are advised not to enter below 18) are admitted provided they (1) produce a satisfactory testimonial of good conduct from a headmaster, headmistress or some other responsible person; (2) have either (a) passed or obtained exemption from the matricn. examn. of the Univ. of London, or (b) passed the Entrance Examn. of the Coll., or (c) hold such qualifications as Senate from time to time may recognize. Each full-time student is placed under the supervision of a member of the Staff, who acts as his Tutor.

Part-time students may in special circumstances be admitted to separate courses without passing the Entrance Examn.

FEES. The annual fee is £25 for Courses in Arts, Commerce and Music ; £32 for Courses in Science and Engineering ; and £40 for the Teachers' Diploma Course. Students whose parents are ratepayers within County Borough, Southampton—Arts, Commerce and Music, £18 : 15s. ; Science and Engineering, £24.

Students' Union, composite fee, £3 : 3s. p.a.

EXHIBITIONS AND SCHOLARSHIPS. The College offers annually 8 open Exhibitions (free tuition) ; 16 open Scholarships ; all tenable for 3 yrs. Two of the Scholarships are of the annual value of £100, and the others £70, for students coming into residence. All Scholarships are of the annual value of £40 for non-residential students. The holders are required to pay tuition fees.

POSTGRADUATE AND RESEARCH AWARDS. There are a limited number of postgraduate awards open to graduates of British Empire Univs. and other approved competent persons, one or more open research scholarships and one open exhibition.

LOAN FUND. A fund is available to assist senior students who are in need of financial assistance.

RESIDENCE. All full-time students must ordinarily reside in one of the Halls of Residence or in approved lodgings, unless they are living with their parents or legal guardians. Halls for men : Connaught (Warden : Rev. H. Livesey, M.A., L.Th.) ; South Stoneham (Warden : Dr. R. H. Pelham, M.A.) ; for women : Highfield (Warden : Miss E. U. Lightbody, M.A.) ; South Hill (Warden : Miss P. M. Brentnall, B.A.). Fees, men £87 ; women, £82. The provision of lunches and teas is not included in the Hall fees.

APPOINTMENTS BOARD. Secretary—L. E. Tavener, M.A.

ADULT EDUCATION. The Department of Adult Education provides courses covering a wide range of non-vocational subjects for groups of adult students in Hampshire, West Sussex, East Dorset and the Isle of Wight. Extension courses and Tutorial classes are organized under the direction of the Joint Committee for Adult Education. The panel of Extension lecturers and tutors includes members of the College Staff and other approved teachers.

PUBLICATIONS. *Yearbook* (Sept.), 1s. ; Halls of Residence Prospectus free.

THE YEAR 1946-47

BENEFACTIONS. AGWI Petroleum Co., gift of 200 guineas for the Endowment Fund.

RESIGNATIONS. D. G. Ashwell (Engin.), on appt. to Signals and Research Unit, Christchurch ; Dr. H. Hamburger (Maths.), on appt. to the Univ. of Ankara, Turkey ; Dr. S. H. Harper (Chem.), on appt. to King's Coll., London ; Miss M. R. Rees (Maths.), on appt. to Reading Univ.

STUDENTS. Total : 1288 ; full-time : 578 ; part-time : 710 ; the total includes 176 women and 5 postgraduates. Evening students : 1790.

DEGREES OBTAINED. B.A., Hons., 16, Ord., 5 ; B.Sc., Special Hons., 14, Ord., 12 ; B.Sc. Engin., Ord., 16 ; B.Sc. Econ., Ord., 5.

ST. DAVID'S COLLEGE, LAMPETER

Founded 1827

VISITOR—His Grace THE ARCHBISHOP OF WALES.

PRINCIPAL—Rev. H. K. ARCHDALL, M.A. Camb., Th. Soc. Australia.

Telephone : Lampeter 42.

Profs.—*Theol.*, The Principal ; *Welsh*, Canon W. H. Harries, M.A., B.Litt. Ox. ; *Hist.*, D. Dawson, B.A. Leeds, M.Litt. Camb. ; *Hebrew and Theol.*, Rev. D. D. Bartlett, M.A. Ox., B.D. ; *Latin and Greek*, H. A. Harries, M.A. Ox.

Lectrs.—Rev. E. C. Cox, B.D. Lond. (*Theol.*) ; F. R. Newte, M.A. Ox. (*Classics*) ; Rev. F. J. T. David, M.A. Ox., B.A. (*Hist. and Theol.*) ; Rev. R. Tree, M.A. Wales, B.Litt. Ox. (*Philos.*) ; K. C. Boorman, M.A. Lond. (*English*) ; Rev. T. A. Lewis, M.A. Ox. (*Philos. and Theol.*).

The College was founded in 1827 ; it was incorporated by Royal Charter and was later empowered to confer Degrees in Arts and Theol. It was originally founded for the purpose of affording to persons intended for the Ministry of the Church, a liberal education on the lines of that offered by the older Universities. Its Arts Faculty was later recognized by Royal Charter as open to all kinds of students, whether ordinands or not. Residence for nine full terms and the passing of three examns., conducted by examiners appointed by Oxford and Cambridge, are requisite for the degree of B.A., ten terms for B.D.

POSTGRADUATE STUDY. There is a Theological Hall for the study of Theol. by graduates.

A License in Theol. (L.Th.) is granted to grads. of the Coll. or of any other Univ. who reside at least 2 yrs. and pass the necessary examns. The License is accepted as an alternative to the Genl. Ordination Examn. of the Church of England.

SCHOLARSHIPS. Scholarships to the total annual value of £1000 are offered. The Dillwyn Llewelyn Trust provides £170 p.a. from which scholarships are granted to students proceeding to Oxford or Cambridge under the Affiliation regns.

ADMISSION. Candidates can be matriculated (1) on a certif. of any matricn. examn. of a Univ. recognized by the Universities Bureau of the British Empire ; (2) on the School Certif. of any of the recognized British Examining Bodies, provided that the Certif. satisfies the conditions of the Coll. Matricn. Certif. ; (3) on passing the Coll. Matricn. examn. in a five-credit Matricn., incl. Engl. Language and either Latin or Maths., plus three other credits, one of which must be a language other than English, if Latin is not taken. Further particulars from the Principal.

STUDENTS (1947-48), 148.

DEGREES OBTAINED IN 1947. B.A., 28.

THE SCOTTISH UNIVERSITIES

ST. ANDREWS
GLASGOW

ABERDEEN
EDINBURGH

REPRESENTATIVES IN PARLIAMENT, *see* p. 21.

IN CONSTITUTION these 4 Universities have, under the operation of the Univs. (Scotland) Acts 1858 and 1889, been to a great extent assimilated. By the former Act 2 new bodies, called the Univ. Court and General Council, were instituted; by the latter Act a Committee of H.M.'s Privy Council was constituted, and an Executive Commission was created with extensive powers, which it continued to exercise till the end of 1897. These Commissioners issued ordinances, *inter alia*, for degrees, for the instruction and graduation of women, for special study and research, and for the constitution of a Students' Representative Council with power to petition the Senatus Academicus and the Univ. Court.

The *Chancellor* is elected (for life) by the General Council, of which he is President. He is empowered to nominate a *Vice-Chancellor*, who may confer degrees in his absence, but cannot discharge any other of his duties. The Vice-Chancellorship is at the present time held in each Univ. on the Chancellor's nomination by the *Principal*, who is appointed to the Principalship by the Crown (except in Edinburgh) and is President of the Senatus Academicus, and, in the absence of the Rector, of the Univ. Court. The *Rector* is elected every 3 years by the matriculated students. He is the official President of the Univ. Court.

The *University Court* consists of the Rector, Principal, the Lord Provost of the City (in St. And. the Provost of St. Andrews and Lord Provost of Dundee), and Assessors appointed by the Rector, Chancellor, Senatus, General Council and (except in St. Andrews) Town Council. In St. Andrews the Principals of St. Mary's Coll. and Univ. Coll., Dundee, are also included in it. There is provision for the representation of other affiliated Colleges. The Court, a body corporate with full power to administer the property belonging to the Univ., is a Court of Appeal from the Senatus and has power, since the expiration of the powers of the Commrs. under the Act of 1889, to found new chairs with the approval of the Univs. Committee and make other ordinances with the approval of H.M. in Council. It has, *inter alia*, powers to appoint professors whose chairs are in the patronage of the Univ., examiners and lecturers; to define the nature and limits of a professor's duties under his commission; and to recognize for graduation purposes the teaching of any College or individual teacher, under the regns. providing for such recognition.

The *Senatus Academicus*, consisting of the Principal, the whole of the Professors, and certain elected Readers and Lecturers, is entrusted with the regulation and superintendence of the teaching and discipline of the Univ. The administration of the Libraries and Museums is entrusted

to Joint Committees elected two-thirds by the Senatus and one-third by the Court.

The *General Council* consists of the Chancellor, the members of the Univ. Court, the Profs., such Lecturers and Readers as have held office for a year, and the Graduates of the Univ. It meets twice a year and may hold special meetings at the instance of the Chancellor. Proposed improvements in the arrangements of the Univ. must be submitted to the Council for their consideration.

The General Councils of the four Universities elect three *Members of Parliament*.

FACULTIES. In all the Univs.—Arts, Science, Divinity, Medicine (St. Andrews and Glasgow—Dept. of Dentistry). In all except St. Andrews (which has only a department)—Law. In Edin.—Music (Glasgow has a department and offers degrees in Music). In Glas.—Engineering (Edin., St. And. and Aberd. have departments and offer degrees in Engineering, although not a separate Faculty).

TERMS. The academic year is divided into three terms—Oct. to Christmas, Jan. to March, April to June or early July.

ADMISSION. See Appendix I.

DEGREES and courses leading thereto (v. also pp. 5 ff.). The *M.A.* (ordinary) course (there is no *B.A.*) extends over 3 yrs. and includes (for ordinary degree) subjects from 3 of the 4 departments of the Faculty, namely, Lang. and Lit., Ment. Philos., Science, Hist. and Law. (There are further restrictions at St. Andrews and Edinburgh.) A candidate for the degree must not only have regularly attended, but also have duly performed the work of the classes in the qualifying courses. The first 2 yrs. may be taken in any of the Scottish Univs. The Senatus may accept attendance given and examns. passed at other Univs. specially recognized for the purpose, if qualifying courses for at least 2 yrs. (St. And. and Edin., 1 yr.) are attended and the Degree examns. are passed in the Univ. granting the degree. For the purpose of reckoning duration of study an academic yr. is constituted by attendance on at least 1 course (Glas. and St. And., 2 courses) of study in each of the 3 terms. For *M.A.* (Hons.) 4 yrs.' study is generally required.

The *B.Phil.* and *B.Litt.* are conferred only by St. And. A candidate for the Degree of *B.Phil.* must take the *M.A.* before it, and a candidate for the Degree of *B.Litt.* must take the Degree of *M.A.* before or along with it. The standard of the Final examn. is that of the *M.A.* Honours.

The *B.Com.* conferred by Edin. may be taken, under conditions as to place of study similar to those for the *M.A.*, after courses covering at least 9 terms.

The *B.Ed.* or *Ed.B.* involves a 2 yrs.' course subsequent to the first 3 yrs. of study for a previous degree, in addition to professional training or experience as a teacher.

The practical part of the training of students preparing for the Teaching Profession is provided by the several Provincial Committees, which likewise recognize attendance at Univ. classes as qualifying in part for their certificates.

The *B.Sc. in Pure Science*. The course for the ordinary degree

covers 3 yrs. and includes from 6 to 9 courses, of which 4 or 5 (St. And., 2) must be taken in the Univ. which is to grant the degree. The other courses may be taken in other Univs. or Institns. approved, or under teachers recognized for this purpose, by the Univ. Court. The degree with Honours, which may be taken in any of the various branches, requires 4 yrs., and is of a standard not less high than that required for M.A. (Hons.).

The *B.Sc. in Applied Science* can be obtained as follows : Engineering (St. And., ord. and hons., 3 yrs. ; Edin., ordinary and honours, both 3 yrs. ; Glas., 4 yrs., the branches in which honours are obtainable being Civ., Mech., Elec., Mining, and Chemical E., and Naval Archit. ; Aberd., Civ., Mech., Elec., ordinary 3 yrs. ; and honours 4 yrs.). Mining Engineering (Edin., ordinary and honours, 4 yrs.). Applied Chemistry (Glas., honours, 4 yrs.). Technical Chemistry (Edin., ordinary and honours, 4 yrs.). Architecture (Glas., honours, 4 yrs.). Agric. (Aberd., Edin. and Glas., ordinary, 3 yrs., honours, 4 yrs.). Forestry (Aberd., ordinary, 3 yrs. ; Edin., ordinary, 3 yrs., honours, 4 yrs.). Pharmacy (Glas., 4 yrs.). Public Health (Glas., 2 yrs. after graduation in Med.). Vet. Sc. (Edin., 4 yrs.).

Higher Degrees in Arts and Science. The D.Sc. in Pure Science, in Engin. (Edin., Glas., St. And.), Pub. Health (Glas.), Mining (Edin.), Tech. Chem. (Edin.), Agric. (Edin.), Forestry (Edin.), and the D.Litt. are open to graduates of 5 yrs.' standing ; D.Sc. in Vet. Sci. (Edin.) to graduates of 3 yrs.' standing. A thesis is required and, except in the case of a graduate of a Scot. Univ. with an Honours degree (St. And., an Honours graduate of the Univ. granting the degree), research under supervision extending over 2 winter sessions in the Univ. which is to grant the degree. These degrees are never granted *honoris causa*.

Divinity. The B.D. examn. of any of the Univs. is open to a graduate in Arts of a Scottish or other approved Univ. or the holder of any Univ. Degree or Diploma recognized as an equivalent by the Univ. Court who has completed his Theol. course (3 yrs.), of which not less than 2 yrs. has been in the Univ. in which he proposes to take the B.D. All the examns. must be passed at the Univ. granting the Degree. The D.D. is honorary. The Gifford Lectures in Natural Theology are open to the general public.

Law. The B.L. course (3 yrs.) is open to students who have passed the Prelim. or its equivalent. Candidates for the degree must produce evidence of a sufficient knowledge of Latin before entering the Class of Civil Law. The LL.B. (3 yrs.) is open to graduates in Arts of a Univ. of the U.K. or any other specially recognized.

Of the B.L. course 1 yr. and of the LL.B. 2 yrs. may be spent in any specially recognized Univ. or School of Law.

St. And. at present provides full courses for the degree of B.L. only. The LL.D. is honorary.

Medicine. Three of the requisite 5 yrs. of medical study for the M.B. and Ch B. may be spent in any Univ. of the U.K. or other Institn. specially recognized for the purpose or under a teacher recognized by the Univ. A candidate who has at any such Univ. completed a course

and passed an examn. in Chem., Physics or Biology qualifying for a degree in Science, Arts or Med., may be exempted by the Senatus from the corresponding part of the M.B., Ch.B. examns. Aberd., Edin. and St. And. extend this concession to courses and examns. in Anatomy and Physiology qualifying for a degree in Science (St. And.—or Arts or Med.; Edin.—or Med.).

A graduate in Medicine of at least 24 yrs. of age who has, subsequent to graduation, been engaged for at least 1 yr. in attending the Med. (or Surg.) wards of a hospl., or in scientific work bearing directly on his profession, or in the Naval, Milit., Colonial (Aberd., Edin., Glas.), or, for the M.D. (St. And.—M.D. or Ch.M.), Pub. Health Med. Services, or 2 yrs. in practice not restricted to Surg. (or Med.), and passed the prescribed examn. and submitted a satisfactory thesis, may be admitted M.D. or Ch.M. as the case may be.

Dentistry. See under Glasgow and St. Andrews.

Ph.D. See p. 15.

Previous to the institution of a Ph.D. degree (Aberdeen, March 24, 1921, Edinburgh, November 25, 1919; Glasgow and St. Andrews, August 18, 1919), a Doctor of Philosophy degree, D.Phil., was conferred.

FEES. See under the separate Universities.

RESEARCH OR SPECIAL STUDY may be prosecuted in a Univ. under supervision by persons suitably qualified, whether graduates or not, admitted by the Senatus. Access to and the use of the Univ. laboratories, etc., may be obtained on such conditions as to payment and otherwise as the Univ. Court may determine. The title of Research Fellow may be conferred with or without a stipend on specially distinguished research students.

SCHOLARSHIPS. Adequate provision is made for affording Univ. instruction and maintenance to students of small means in Scotland. Besides the Carnegie Trust benefactions (v. *infra*) and the numerous bursaries, etc., awarded by the Universities and the Trustees of unattached educational endowments, all Scottish Education Authorities make provision in their Bursary Schemes for assisting duly qualified persons resident in their areas, and needing such assistance, to attend a University, Training College, Central Institution, etc. The sum so spent by Education Authorities in the financial year 1938-39 was £104,702.

Scholarships, etc., for Graduates. The following are open to graduates of all the Scot. Univs.: (1) Carnegie Scholarships (£150) and Fellowships (£250) and grants in aid of Research. Application forms supplied by the Carnegie Trust, 22 Hanover St., Edinburgh. (2) Ferguson—six of £110 each for 2 yrs. for graduates in Arts. Ferguson Bequest Fund, 94 Bath St., Glasgow. (3) M'Cunn—four of £200 for 1 yr., for medical research. M'Cunn's Trustees, 160 West George St., Glasgow. (4) Shaw Philosophical—£215 for 3 yrs. for graduates in Arts (in the Patronage of Edinburgh Univ.). (5) Black—in Greek, £196 for 1 yr. for graduates in Arts distinguished in the B.D. examns. (6) Hume Brown—in Scottish History, Junior prize of £25 awarded annually, open to students; Senior prize of £150 biennially, open to

graduates; managed by the Univ. of Edin. (7) Maclean (Semitic Languages), £175 for 1 yr. for graduates in Arts preparing to enter the Ministry of the Church of Scotland; managed by the Univ. of Glasgow. (8) Crombie (Biblical Criticism), £50 for 1 or 2 yrs. for graduates in Arts with First Class Hons. in Classics; managed by St. Andrews. (9) Shaw Macfie Lang, £200 for 2 yrs., for Hons. Graduates in various Faculties in rotation; (10) 7 Richard Brown, £64 for 1 yr., for graduates or undergraduates of any Univ., in various Faculties in rotation; managed by Edinburgh.

CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. Offices at Merchants' Hall, 22 Hanover Street, Edinburgh. Secretary and Treasurer: John R. Peddie, C.B.E., D.Litt.

The annual income of the Trust is about £125,000, one half of which is devoted to (A) the improvement and expansion of the Universities of Scotland in the faculties of Science, Medicine, History and Mod. Langs., and extending opportunities for scientific study and research; the other half to (B) assisting Scottish students in the payment of Univ. class fees. Any surplus not required for (B) in any year is to be devoted to (A). Institutions in Scotland recognized by the Executive Committee of the Trustees as preparing students for graduation or as providing technical education of Univ. level are entitled to participate as regards (A) and their students as regards (B). Any surplus not required for (A) or (B) may be devoted to Univ. Extension work.

The Regulations for Assistance in the payment of Class fees provide, *inter alia*, that applicants should hold the Leaving Certif. of the Scottish Educn. Dept. with a minimum of three higher grade passes and bearing evidence of such preliminary education as is required by the Univs. for their respective graduating curricula. Where for satisfactory reasons such Leaving Certif. has not been obtained, the Exec. Committee may accept instead what they deem equivalent evidence of attainments, provided that no applicant will be eligible who has not obtained three higher grade passes or who has to pass any further prelim. examn. before beginning his graduating curriculum. Class Fees paid for 1945-46: St. Andrews—£5934 for 346 beneficiaries; Glasgow—£26,420 for 1565; Aberdeen—£9247 for 549; Edinburgh—£13,507 for 790. Total—£55,108 for 3250 beneficiaries.

The annual report of the Executive Committee contains reports of experts on the work of beneficiaries under the Research Scheme and lists of papers published by them. Research Fellowships, Scholarships and Grants awarded for 1945-46 amounted to £13,872.

Under the Scheme of Distribution for the period from Oct. 1, 1946, to Sept. 30, 1947, there has been allocated a sum of £42,160, distributed thus: St. Andrews centre—£6944; Glasgow—£12,530; Aberdeen—£9320; Edinburgh—£13,366. These "centres" include certain extra-mural Colleges to which, in all, grants of £5790 were made.

UNIVERSITY OF ABERDEEN

Founded 1494

CHANCELLOR—The Right Hon. THE EARL WAVELL, P.C., G.C.B.,
G.C.S.I., G.C.I.E., C.M.G., M.C., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—.....

RECTOR—.....

SECRETARY TO THE UNIVERSITY—H. J. BUTCHART, D.S.O., T.D., D.L.,
B.L.

LIBRARIAN, CLERK, AND REGISTRAR OF GENERAL COUNCIL—W. D.
SIMPSON, M.A., D.Litt.

Telephone : Secretary's Office—Aberdeen 4850.

TEACHING STAFF

Accounting

Grant, J., M.C., M.A.

Pt.-time Lectr.

Agriculture, v. infra

Anatomy

Lockhart, R. D., M.D. Birm.,

Ch.M. Reg. Prof.

Hamilton, G. F., B.Sc., M.B.,

Ch.B. Lectr.

Fyfe, Forest W., M.A., M.B.,

Ch.B. Lectr.

McKenzie, J., M.B., Ch.B. Lectr.

Shiach, W. G., M.B., Ch.B. Asst.

Mackay, N. R., M.B., Ch.B. Asst.

Cumming, R. P., M.B., Ch.B. Asst.

Low, A., M.A., M.D., LL.D.

(Anthropometry)

Res. Fellow.

Biochemistry

Long, C., M.A., B.Sc., D.Phil. Ox.

Biology, v. Nat. Hist.

Botany

Matthews, J. R., M.A. Edin.,

F.L.S. Reg. Prof.

Downie, Dorothy G., B.Sc., B.Sc.

(For.) Edin., Ph.D. Chic.

Lectr.

Faulks, P. J., M.A. Camb. Lectr.

de Kock, P. C., M.Sc. Cape T.

Lectr.

Gimingham, C. H., B.A. Camb.

Lectr.

Robertson, Mrs. Edith T., B.Sc.

Glas. Asst.

Whinfield, Barbara, M.Sc. Manc.

Asst.

Celtic and Comp. Philology

Macdonald, John, M.A. Reader.

Chemistry, v. also Agric. infra

..... Prof.

Humphries, J. E., B.A. Lond. and

Camb., M.Sc. Wales, Ph.D.

Lond., D.Sc. Lectr.

Strathdee, R. B., T.D., Ph.D.

Camb., M.A., B.Sc., F.R.I.C.

Lectr.

Thompson, J. M. C., D.Phil. Ox.,

M.A., B.Sc., F.R.I.C. Lectr.

Belcher, R., F.R.I.C. Lectr.

Peaker, F. W., B.Sc., Ph.D. Leeds

Asst.

Thomson, R. H., B.Sc., Ph.D.

Leeds Asst.

Buchanan, G. L., B.Sc. Glas. Asst.
Napier, D. H., M.Sc. Lond. Asst.

Chemistry, Clinical

Lyall, Alex., M.A., M.D., F.R.C.P.
Lectr.
..... Lectr.

Classics : Greek

Cameron, A., M.A. Glas., B.A. Ox.
Reg. Prof.
..... Lectr.
Thomson, G. H., M.A. Ox. Asst.

Classics : Latin

Noble, P. S., M.A. Camb. and
Aberd. (Humanity) Reg. Prof.
..... Lectr.
Raven, E. J. P., M.A. Camb.
Lectr.
Kidd, D. A., B.A. Camb., M.A.
Lectr.

Innes, Mary M., M.A. Glas. and
Ox. Asst.
Noble, Mrs. Mary, M.A. (Tempo-
rary) Pt.-time Asst.

Divinity, v. Theol.

Economics, v. Pol Econ.

Education

Walker, N. T., O.B.E., M.A.,
Ed.B., Ph.D. Glas. Reader.
Laing, A., M.A., Ed.B. (Tempo-
rary) Asst.

Embryology

Purser, G. L., M.A. Camb. Lectr.

Engineering

Allen, J., D.Sc. Manc.
Jackson Prof.
Grassie, J. C., B.Sc. (Eng.) Glas.,
D.Sc.
(Civil and Forest E.) Reader.
Hendry, A. W., B.Sc. (Eng.),
Ph.D. (Civil E.) Lectr.
Taylor, G. A., M.A., B.Sc. (Civil
E.) Lectr.
Eastwood, W., B.Eng. Sheff.
(Civil E.) Lectr.

Wilkinson, E., B.Sc. (Eng.), Ph.D.
Liv. (Elect. E.)

Pt.-time Lectr.
Edmond, A. D., B.Sc. (Eng.) Lond.
(Mech. E.) Pt.-time Lectr.
Stewart, J. D., M.A. (Maths. and
Nat. Phil.) Pt.-time Lectr.

Pt.-time Assistants

Bennett, J. A., B.Sc. (Eng.) Edin.
(Elect. E.).
Chisholm, J. A.
(Mech. and Agric. E.).
Colmar, G. C., B.Sc. (Eng.) Glas.
(Elect. E.).
Davies, E. F., B.Arch. Liv.
(Agric. E.).
Fox, T. S., B.Sc. (Eng.) Birm.
(Elect. E.).
Hendrie, R. A., B.Sc. (Eng.) Lond.
(Mech. E.).
Ruth, H., B.Sc. Manc. (Mech. E.).

English

Bickersteth, G. L., M.A. Ox.
Reg. (Calmers) Prof.
Taylor, W. D., B.A. Ox., M.A.
(E. Lit.) Lectr.
Walker, R. S., M.A. Aberd. and
Camb. (E.Lit.) Lectr.
McDiarmid, M. P., B.Litt. Ox.,
M.A. Glas. (E.Lit.) Lectr.
Robertson, A. Jane, M.A. St.
And., Ph.D. Camb.
(E. Lang.) Lectr.
Thomson, Mrs. M. Patricia, Ph.D.
Camb., M.A. Asst.
Murison, D. D., M.A. (Scot.
Dialect) Res. Fellow.

Fisheries, Scientific Study of

Clark, R. S., M.A., D.Sc., F.R.S.
Ed. Pt.-time Lectr.
Reay, G. A., Ph.D. Camb., M.A.,
B.Sc.
(Fish Technology) Pt.-
time Research Lectr.

Forestry, v. also Engin.

Steven, H. M., M.A. Ox., B.Sc.,
Ph.D. Prof.

Laing, E. V., M.A., B.Sc (For.),
D.Sc. Lectr.
McNeill, W. M., M.B.E., M.A., Dip.
For. Ox., M.S. Yale Lectr.
MacGregor, W. D., C.B.E., B.Sc.
(Agr. and For.) Lectr.
Crooke, M., B.Sc. (For.) Edin.
Asst.

French

Roe, F. C., M.A. Birm., L. ès L.
Lyon, D. de l'U. Paris Prof.
McMillan, D., B.A., Ph.D. Lond.
(Romance Philology) Lectr.
Stoker, J. T., M.A. Leeds, D. de
l'U. Paris Lectr.
Abrioux, O., L. ès L. Paris Asst.
Pt.-time Assistants
Therezien, Marie A., L. ès L.
Rennes.
Tamagnan, J., L. ès L. Paris.
Danty, E. R., B. ès L. Bordeaux.

Geography

O'Dell, A. C., M.Sc. Lond. Lectr.
Fisher, W. B., B.A. Manc., D. de
l'U. Paris Lectr.
Day, Winifred M., M.A. Asst.

Geology

Phemister, T. C., D.Sc. Glas.,
Ph.D. Camb., M.Sc. Chic.
Kilgour Prof.
..... Lectr.
Simpson, S., B.A. Camb., Dr. rer.
Nat. Frankfurt Lectr.
Pringle, A. K., B.Sc. Glas. Lectr.
Fraser, W. E., M.A., B.Sc. Lectr.

German

Witte, W., M.A. Lond., Dr. rer.
Pol. Breslau, Ph.D. Reader.
Barber, C. C., M.A. Ox., D.Phil.
Giessen Lectr.
Wilkie, J. R., M.A. Asst.
Kenworthy, B. J., B.A. Brist.
Asst.

Hebrew and Semitic Langs.

Kennedy, Rev. A. C., M.A., B.D.,
D.D. Edin. Prof.

Alexander, A. D., M.A., B.D.
Edin. Lectr.

History, v. also Law, Theol.

Black, J. B., M.A. Glas. and Ox.,
F.R.Hist.S.
Burnett-Fletcher Prof.
Henderson, J. M., M.A. Edin.
(Brit. Hist.) Lectr.
Drummond, J. G., M.A., Ph.D.
Camb. (Brit. Imp., Col. and
Dom. H.) (Temp.) Lectr.
Edwards, Kathleen, M.A. Lond.,
Ph.D. Manc. (Med. H.) Lectr.
Burns, J. H., M.A. Edin.
(Temp.) Lectr.
Anderson, A. H., M.A. Edin. Asst.
Pt.-time Assistant
Hutcheson, Mary P., M.A. St. And.

Law, v. infra

Logic

Ferguson, A. S., M.A. St. And.
and Ox. Reg. Prof.
Bednarowski, W., Ph.D. Cracow
Lectr.

Mathematics

Wright, E. M., B.A. Lond., M.A.,
D.Phil. Ox. Prof.
Macintyre, A. J., B.A., Ph.D.
Camb. Lectr.
Potter, H. S. A., M.A., D.Phil. Ox.
Lectr.
Bowen, N. A., B.Sc. Lond., M.Sc.
Wales Lectr.
Hayes, N. D., B.Sc. Reading
Lectr.
Yates, Barbara G., B.A. Dub.
Asst.
Ponting, F. W., M.A. Ox. Asst.
Walker, Anne C. E., M.A. Edin.
Asst.
Macintyre, Mrs. Sheila S., M.A.
Edin., B.A. Camb.
(Temp.) Asst.

Medicine, v. infra

Music

- Swainson, W., M.A., F.R.C.O.
Lectr.
Downes, E. T., B.Mus. Birm.
Asst.

Natural History

- Wynne-Edwards, V. C., M.A. Ox.,
F.R.S. Can. Reg. Prof.
Neill, R. M., M.C., M.A. Glas.,
D.Sc. (Zool.) Reader.
..... Lectr.
Carrick, R., B.Sc. Glas., Ph.D.
Edin. Lectr.
Munday, K. H., B.Sc. Manc. Asst.
Symmons, Saida, B.Sc. Leeds
Asst.
Macaulay, Mrs. Margaret H. I.,
Ph.D. Harv., B.Sc. Asst.

*Philology, Compar., v. Celtic**Philosophy, Moral*

- MacKinnon, D. M., M.A. Ox.
Reg. Prof.
..... Asst.

Philosophy, Natural

- Jones, R. V., C.B., C.B.E., M.M.
(U.S.A.), M.A., D.Phil. Ox.,
F.Inst.P., F.R.A.S. Prof.
Geddes, A. E. M., O.B.E., M.A.,
D.Sc. Reader.
Griffith, H. D., B.A. Camb. Lectr.
Swindell, G. E., M.Sc. Belf.
(Medical Physics) Lectr.
Strachan, C., Ph.D. Camb., M.A.
Aberd. and Camb.
(Math. Physics) Lectr.
Holbourn, A. H. S., M.A. Edin.,
D.Phil. Ox. Lectr.
Jolly, W. C., M.A. Asst.
Paul, W., M.A. Asst.
Jones, D. A., B.Sc. Wales Asst.
Tough, D., M.A. Asst.

Physiology

- Cruikshank, E. W. H., D.Sc.
Lond., Ph.D. Camb., M.D.
Reg. Prof.

Kosterlitz, H. W., M.D. Berlin,
Ph.D.

(Human and Exper.) Lectr.
Cuthbertson, D. P., M.D., D.Sc.
Glas.

(P. of Nutrit.) Pt.-time
Research Lectr.

Douglas, W. W., M.B., Ch.B.
Glas. Asst.

Innes, I. R., M.B., Ch.B. Asst.
..... Asst.

Campbell, Rosa M., B.Sc.
Private Research Asst.
Meyling, H. A., M.D. Utrecht
(Neuro-histol.) Res. Fellow.

Political Economy

- Hamilton, H., M.A., D.Litt Glas.
Jaffrey Prof.
Macdonald, Annie, M.A. Lectr.
Hampson, Ethel M. H., M.A. Liv.,
Ph.D. Camb (Econ. H.) Lectr.
Noble, T. F., O.B.E., M.A. Lectr.
Harkess, Kathleen, M.A. St. And.
Asst.
Whetham, Edith H., M.A. Camb.
Research Fellow.

Psychology

- Knight, A. R., M.A. Syd. and
Camb. Prof.
Knight, Mrs. Margaret, B.A. Camb.
(Temporary) Asst.

Spanish

- Parker, A. A., M.A. Camb. Lectr.
McQueen, Da. Aurora del Carpio
de Pt.-time Asst.

Statistics

- Quenouille, M. H., B.A. Camb.
Lectr.

Theology

- Henderson, G. D., D.D., M.A.,
D.Litt. Glas (Church Hist.)
Prof.
Graham, J. M., M.A. Glas. (Sys-
tematic T.) Prof.
MacLeod, J., M.A. Glas., D.D.
Halifax (Christian Dogmatics)
Prof.

Hunter, A. M., M.A., B.D., Ph D.
 Glas., D.Phil. Ox
 (Bibl. Crit.) Prof.
 Cairns, D. S., M.A. Ox.
 (Syst. T.) Pt-time Lectr.
 Neil, W., M.A., B.D., Ph D. Glas.
 (Bib. Study) Lectr.
 Alexander, Albert D., M.A., B.D.
 Edin. (Hebrew) Lectr.
Zoology, v. For., Nat. Hist.

Agriculture

(v. also Acctg., Engin. and *infra*
 North of Scotland Coll of Agr)
 Bywater, T. L., B.Sc. Wales, M.Sc.
 Wisc.
 Strathcona-Fordyce Prof.
 Donald, G., B.Sc. (Agr.)
 Pt-time Lectr.
 Findlay, W. M., B.Sc. (Seed Test-
 ing) (Temp.) Pt-time Asst.
 Bain, R., B.Sc. (Agr.) Glas.
 (Temporary) Pt-time Asst.

Agric. Book-keeping

Imper, A. D., M.B.E., B Sc. Wisc.,
 B.Sc. (Agr.), Ph.D.
 Pt-time Asst.

Agric. Chemistry

Hill, Alfred, B.Sc., B.Sc (Agr.)
 Pt-time Lectr.
 Moore, W., B.Sc. (Agr.), D.Sc.
 Pt-time Asst.

Agricultural Law

Wilson, N. J., M.A., LL B.
 Pt-time Asst.

Soil Science

McArthur, D. N., D.Sc., Ph.D.
 Glas., F.R.I.C.
 Pt-time Research Lectr.
 Williamson, W. T. H., Ph.D.,
 B.Sc., F.R.I.C. Lectr.

Veterinary Hygiene and Agr.

Bacteriology

Grant, J. C. Pt-time Lectr.
 Morrison, Maggie B., B.Sc. (Agr.)
 Pt-time Asst.

Law

Taylor, T. M., C.B.E., K.C., M.A.,
 LL.B. Prof.
 Milne, A., B.L. Pt-time Asst.
 Gow, James J., B.L.
 Pt-time Asst.
 Richards, W. L., M.A., LL B.
 Pt-time Asst.
 Geils, J., M.A., LL B.
 Pt-time Asst.

Comparative Law

Fackenheim, J., Dr. jur. Halle
 Pt-time Lectr.

Constit. L. and Hist.

Cruickshank, J. S. R., B A. Camb.,
 LL.B. Edin. Pt-time Lectr.
 Lawrence, G. M., M.A., LL B.
 Pt-time Asst.

Conveyancing

MacRitchie, F., M.A., LL.B.
 McLennan Prof.

Internat. L., Public and Private

Mackinnon, L., Jr., D.S.O., M.A.,
 LL.B. Pt-time Lectr.

Mercantile Law

Ramsay, F., B.L. Glas.
 Pt-time Lectr.

Procedure and Evidence

Hay, A. L., M A., LL.B.
 Pt-time Clark Lectr.

Roman Law

Cramb, M., M.A., LL.B.
 Pt-time Lectr.

Medicine

(for subjects of the first 2 yrs.—
 Anat., etc., v. *supra*)

Bacteriology

Cruickshank, J., C.B.E., M.D.
 Glas. Prof.
 Menzies, R. F., M.B., Ch.B. Lectr.
 Fraser, K. B., M.B., Ch.B. Lectr.
 Smith, John, D.Sc., M.D., D.P.H.,
 F.R.C.P. Pt-time Lectr.

Fraser, Leslie W., M.B., Ch.B.

Lectr.

Child Health

Craig, J., M.B., Ch.B.

Prof.

Children, Surgical Diseases of

Bruce, G. G., M.B., Ch.B., F.R.C.S

Pt.-time Lectr.

Davidson, Sydney G, M A., M.B.,
Ch.B., F.R.C.S.

Pt.-time Lectr.

Forensic Med. (incl. Med. Ethics)

Richards, R., M.A., M.D., D.P.H.,

F.R.C.S.Ed. Pt.-time Lectr.

Macdonald, T. J. C., M.D., Ph.D.

Pt.-time Asst.

Materia Medica

Campbell, D., M.C., M.A., B.Sc.,

M.D. Glas, F.R.F.P.S. Glas.

Reg. Prof.

Morgan, T. N., M.D.

Lectr.

Medicine

..... Reg. Prof.

Fullerton, H. W, M.A., M.D.

Lectr.

Cruickshank, E. K., M.B., Ch.B.

Lectr.

Robson, T. O., M.B., Ch.B.

(Anæsth.) Pt.-time Lectr.

Hendry, A. W, O.B.E., M.D.,

F.R.C.P.

(Clin. Med) Pt.-time Lectr.

Duthie, R. J., M.D.

Pt.-time Lectr.

Verel, D., M.A., M B, B.Chir.

Asst.

Duguid, Helen L. D., M B, Ch.B.

Asst.

Mental Health

..... Crombie-Ross Prof.

Millar, W. M., M D., Dip. Psych

Edin.

Lectr

Whyte, Marion B. H., M.A. Edin.

Asst.

Midwifery

Baird, D, B Sc, M D., D.P.H

Glas., F.R.C.O.G. Reg. Prof.

Walker, J., B.Sc., M.B., Ch.B.

Glas.

Lectr.

Davidson, G. S., M.A., M.B, Ch.B,

F.R.C.S.Ed., F.R.C.O.G.

(Clin.)

Pt.-time Lectr.

Duncan, A. S., D.S.C., M.B., Ch.B.,

F.R.C.S.Ed.

Pt.-time Lectr.

Stewart, D. B., B.Sc., M.D. Manit.

Pt.-time Asst.

Thomson, A. M., B.Sc., M.B.,

Ch.B. Glas. (Infant Mortality)

Res. Fellow.

Ophthalmology

Law, Beatrix B., M.A., M.D., D.O

Pt -time Lectr.

Pathology

Young, J. S., M.C, M.A., B.Sc.,

M.D. Glas.

Reg. (Wilson) Prof.

Davidson, W. M., M.B., Ch B.

(Morbid Anat.) Lectr.

Lumsden, C. E., M.B., Ch.B.

Lectr.

Stalker, A. L., M.B, Ch.B. Lectr.

Gray, Mary F., M.B., Ch.B. Asst.

Raffan, J. B., M B, Ch.B.

(Temp.) Pt.-time Asst.

.....

Georgina McRobert Re-
search Fellow.

*Public Health and Infectious
Diseases*

Berry, D W., M.C., M D., D P.H.

Reader.

Mair, A., M.B., Ch.B., D.P.H.

Lectr.

Pt.-time Lecturers

Rae, H. J., M.C., M.A., M.B.,

Ch.B., D.P.H.

Doig, A. T., M.D., D.P.H. St. And.

(Factory Hyg.).

Gerrie, J., F.R.C.S Ed., M.B.,

Ch.B. (Diseases of the Ear,

Nose and Throat).

Brown, J., M.B., Ch B., D.P.H.
(Vaccination).

Wylie, A. M., B.Sc., M.D. Glas.,
Dip. Psych. Edin (Mental
Diseases).

Anderson, T. E., M.D. (Diseases
of the Skin).

Bowie, F. J. T., M.B., Ch.B.,
D.P.H. (Ven. Dis.).

Radio-Diagnostics

Levack, D. P., C.B.E., T.D., M.B.,
B.Ch., D.M.R. and C.

Pt.-time Lectr.

Surgery

Wilson, W. C., M.B., Ch.B.,
F.R.C.S.Ed. Reg. Prof.

Gowar, F. J. S., V.R.D., M.B.,
B.S., F.R.C.S.

(Thoracic S.) Lectr.

Rennie, A. M., M.B., Ch.B.,
F.R.C.S.

(Orthopaedic S.) Lectr.

Pt.-time Lecturers

Anderson, W., O.B.E., M.B.,
Ch.B., F.R.C.S.

Fowler, A., F.R.C.S.Ed., M.B.,
Ch.B.

Pt.-time Assistants

Logie, N. J., M.B., Ch.B., F.R.C.S.

Tuberculosis

Bell, D., M.D. Edin., D.P.H.

Pt.-time Lectr.

Gifford Lecturer in Nat. Theol.

1948-50—Professor Michael Po-
lanyi, M.D., M.Sc., D.Sc.,
F.R.S.

Physical Education

Director: Lt.-Col. A. W. Brocks,
M.B.E., M.C., M.A.; Pt.-time
Asst.: Miss Adele M. Mac-
kinnon.

Medical Officer (Students' Health
Services): Macklin, A. H.,
O.B.E., M.C., M.D. Manc.

ASSOCIATED COLLEGES

NORTH OF SCOTLAND COLLEGE OF AGRICULTURE. Head of College and Director of Studies and Research—T. L. Bywater, B.Sc., M.S., Strathcona-Fordyce Prof. of *Agric.* Lectrs.: *Agr. Bot.*, D. Clouston, M.A., B.Sc. (Agr.), D.Sc.; *Agr. Zool.*, D. Robertson, B.Sc. (Agr.), Ph.D., D.Sc.; *Agric., Principles of*, G. Donald, B.Sc. (Agr.); *Vet. Hyg.*, J. C. Grant; *Agr. Chem.*, A. Hill, B.Sc., B.Sc. (Agr.); *Agric. Engin.*, G. Murray, B.Sc. (Agr.); *Bee-keeping*, A. S. C. Deans; *Hortic.*, G. E. Greenhowe; 4 Advisory Officers (Entomol., Grassland Husbandry, Mycology, Farm Buildings), 1 Agr. Economist, 1 Vet. Investig. Officer, 1 Bee-keeping Research Officer, 22 Assts., 1 Farm Manager, 1 Provincial Director of County Work, 2 Regional Directors of County Work, 16 County Organizers, 8 Asst. Organizers, 16 County Instructors.

ROBERT GORDON'S TECHNICAL COLLEGE. Under the Aberdeen Educational Endowments Scheme, 1934, the Governors, in continuation and development of the College, provide, maintain, furnish, equip, administer and conduct schools of Engineering, Mathematics and Physics, Chemistry, Pharmacy, Navigation, Art (including Drawing, Painting, Design, Sculpture, Architecture, Building and Surveying), Domestic Science, Commerce and such other subjects connected with education in science, art and technology as they think fit. The School of Art is known as Gray's School of Art. The Court of the Univ. and the Governors of the Coll. co-operate in the provision of day courses leading to the degree of B.Sc. (Eng.) of the Univ. and to the Diploma of Associateship of the Coll. in Eng.—Civ., Mech. and Elect. The courses in Mech. and Elect. Engin. are recognized under the schemes for the award of National Diplomas. Classes in Agric. Engin. are provided in con-

nexion with the degree of B.Sc. (Agr.) of the Univ. and the Diploma of the N. of Scotland Coll. of Agric. Courses for Marine Engineers are provided in preparation for the exams. of the several grades of Certifs. of competency issued by the Ministry of Transport, including that for Extra-First Class and also for Engineer Surveyors under the Ministry of Transport and Lloyd's. Evening courses in the higher branches of Civ., Mech., Elect., Automobile Engin., Naval Archit., Maths., Physics, and in Papermaking.

Fees. All fees for degree courses payable at the Univ. (v. *infra*). For Associateship and National Diploma (Higher), 1st yr. £21, 2nd and 3rd yrs., each £25 (plus matricn. fee, 2nd and 3rd yrs. £2 : 12 : 6).

Staff.—*Director*, A. C. West, B.Sc., Ph.D. *Art*, Head of School, D. M. Sutherland, M.C.; 3 Principal Teachers, 6 Assistant Teachers. *Architecture*, Head of School, E. F. Davies, B.Arch., (Liv.), F.R.I.B.A., F.R.I.A.S.; 5 Assistant Teachers. *Chemistry*, Lecturer-in-Charge, M. B. Watson, B.Sc., Ph.D.; Lecturer, J. Donaldson, M.A., B.Sc. (Hons.), Ph.D.; 2 Lab. Attendants. *Domestic Science*, Head of School, Annette G. Kelly; 4 Heads of Departments; 11 others. *Engineering*, Director, Prof. J. Allen. *Electrical Engineering*, Head of Department, E. Wilkinson, B.Eng., Ph.D.; Lecturers: G. C. Colmar, B.Sc. (Eng.), J. A. Bennet, B.Sc. (Eng.), T. S. Fox, B.Sc. (Eng.); 2 Lab. Mechanics. *Mechanical Engineering*, Head of Department, A. D. Edmond, B.Sc. (Eng.), F.R.S.A.; Lecturers: J. A. Chisholm, R. A. Hendrie, B.Sc. (Eng.), H. Ruth, B.Sc. (Eng.), J. M. Corry; 2 Lab. Mechanics, 1 Assistant. *Marine Engineering*, Lecturers: W. P. Hunter, C. Hay. *Maths. and Physics*, Head of School, J. D. Stewart, M.A.; Lecturers: J. S. Morgan, M.A., N. Herbert, B.Sc., M.Sc., Dip.Ed.; 1 Lab. Mechanic. *Navigation*, Head of School, C. R. Cameron, D.Sc.; Lecturers: D. F. McKay, F. W. Gardiner; Lecturer in Ambulance Work, A. G. Beattie, M.B., Ch.B. *Pharmacy*, Head of School, J. E. Bowen, B.Sc., F.R.I.C.; Lecturers: E. Thorpe, B.Sc., B.Pharm., Nancy N. Rose, M.A., B.Sc., D. D. Hannigan; 1 Lab. Attendant; Clerk and Treasurer, W. R. Murdoch.

GENERAL INFORMATION, v. also pp. 390 ff.

The "University and King's College of Aberdeen," founded under a Papal Bull in 1494, and the "Marischal College," founded in 1593 by George Keith, Earl Marischal, were reconstituted in 1860 as "The University of Aberdeen." Certain of the original buildings remain, notably the Chapel (A.D. 1500).

The LIBRARY, founded in 1500, has 251,000 vols. and 200 *incunabula*, some unique. It is especially rich in Celtic literature, and books bearing on the history, topography and antiquities of the Scottish Highlands, and Classical Archaeology. It also contains the McBean Jacobite collection, reputed to be the largest in the world outside the British Museum. Annual budget about £3500. MUSEUMS: Anthropological (illust. cat. 1s.), Pathological (600 specimens), etc. Besides the usual LABORATORIES there is the Rowett Institute of Research in *Animal Nutrition* near Bankhead, with depts. of Physiol., Bio-Chem., Bacteriol. and Pathol., and attached Animal Husbandry section for practical experiments in feeding, etc. It is under the management of a joint committee of the Univ. and the N. of Scotland College of Agric. Hospitals available for clinics: Infirmary, 550 beds; Woodend Hospital, 340; Children's, 150; Fever, 300; Mental Hospital, 900; Maternity Hospital, 111; Ophthalmic Institution, average 7000 out-patients annually.

FACULTIES AND DEANS. Arts, Prof. E. M. Wright; Science, Prof. H. M. Steven; Divinity, Prof. J. M. Graham; Law, Prof. T. M. Taylor; Medicine, Prof. D. Campbell.

DEPARTMENT. Education.

ADMISSION and ADVANCED STANDING, v. Appendix I.

DEGREES, ETC., v. pp. 391 ff. A Diploma is conferred in Public Health (D.P.H.).

FEES (v. also Carnegie Trust, p. 394). Matriculation, 2½ gs. p.a. Inclusive fees for tuition: M.A. (with Hons. in Maths. and Nat. Phil.), 90 gs.; M.A. (with Hons. in groups other than Maths. and Nat. Phil.), 76 gs.; M.A. (Ord.), 57 gs.; B.Sc. (Pure Science, Agriculture, Forestry and Engineering), 114 gs.; B.Sc. (with Hons. in Maths.), 90 gs.; B.Sc. (with Hons. in subjects other than Maths.), 127 gs.; B.Sc. Agr. (Hons.), and B.Sc. Eng. (Hons.), 127 gs.; B.D., 51 gs.; LL.B., 52 gs.; B.L., 42 gs.; M.B., Ch.B., 225 gs. The total cost of the whole medical curriculum, including class, matric. and degree fees, is usually about £300. Degree: M.A., 11½ gs.; B.Sc., 13 gs.; B.D., 11½ gs.; B.L., 11½ gs.; LL.B., 13 gs.; M.B., Ch.B., 37 gs.; Doctorates from 15 to 20 gs. The class and examn. fees for the D.P.H. are £67: 4s.

SCHOLARSHIPS, ETC., for graduates (v. also pp. 393-94), about 25; aggregate annual value about £2000. *Travelling Scholarships*: Anderson, for medical graduates, about £500 p.a. for 2 yrs.; Kemsley, £400 for graduates in Forestry; Kilgour, £200-£250 for graduates in Natural Science or Natural History; Robbie, about £300 p.a. in Maths., Nat. Philos. and Chem.; John Stephen, £90 p.a. in Econ. for 2 yrs.; Yuill, £150 for 1 yr., renewable in Indust. and Agric. Chem. *Travelling Fellowship*: Wilson, for archaeological research in the Near East, £300 p.a. for 2 yrs. Particulars obtainable from Agents for Wilson Trustees, Messrs. Edmonds and Ledingham, Advocates, 1 Golden Square, Aberdeen. George Thompson, in Med., for 2 yrs (1 yr. abroad) (about £600 p.a.).

RESIDENCE. List of lodgings published by Students' Representative Council. There is a Hall of Residence for Medical Students in which residence is compulsory for sixteen weeks during the fourth or fifth year of study.

APPOINTMENTS COMMITTEE. There is a Committee which advises students as to preparation for entrance to various Government Services and other appointments. All communications to be addressed to *The Secretary*.

PHYSICAL WELFARE OF STUDENTS. There is a Dir. of Phys. Training, with a woman part-time Assistant for women students.

MEDICAL EXAMINATION OF STUDENTS. There is a Medical Officer for the voluntary examination of students.

ADVISER TO WOMEN STUDENTS. Mrs. Ian Clarke.

PUBLICATIONS. *Calendar* (Sept.), 4s.; *Univ. Review*, 7s. 6d. p.a. (3 issues); *Students' Handbook and Diary* (Nov.), 1s.; *Alma Mater* (organ of S.R.C.).

THE YEAR 1946-47

BENEFACTIONS. Late Dr. George Smith, Milltimber, Aberdeenshire, £30,006: 2: 5—bequest towards foundation of Chair of Biological Chem.; late Prof. J. J. R. Macleod, Aberdeen, £7060: 9: 11—bequest towards foundation of Chair of Biological Chem.; Carnegie Trust, Edinburgh, £5098: 15s.—(Donation towards foundation of Anderson Chair of Psychol., £3000; towards cost of books for Library, £1000; for provision of metal stacks in Library, £1000; salaries of Carnegie Teaching Fellows, £98: 15s.); W. A. Mackenzie, Dunkeld, and his two brothers, £5000—gift towards endowment of Chair of Child Health; Mrs. Jessie Strachan or Webster, Tarves, Aberdeenshire, £3500

—gift for purchase of a Manse for University Chaplain; late Henry W. Davies, M.A., Worcester, £3000—bequest to be used towards foundation of Chair of Political Theory; late Thomas H. Reid, Ballater, Aberdeenshire, £2000—bequest to found a Monetary Prize or Scholp. for postgraduate study in Medicine; Miss Elsie Mackenzie, Aberdeen, £1000—gift towards foundation of Chair of Child Health; Nuffield Provincial Hospitals Trust, £1000—grant in aid of the Dept. for Study and Care of Student Health; Crombie-Ross Fund, Aberdeen, £915—(fifth instalment of donation for endowment of Chair of Mental Health, £715; grant to defray travelling expenses of member of staff, £200); Nuffield Foundation, £750—grant towards cost of conducting Third Statistical Account of Scotland (Pilot Survey); Bakelite Ltd., London, £500—gift for encouragement of Research in Organic Polymers; Distillers Company, Ltd., Epsom, £500—gift for encouragement of Research in Polymerization; Trs. of John Gordon's Charitable Fund, Aberdeen, £450—(donation towards cost of a Manse for University Chaplain, £350; donation towards cost of Lectureship in Biblical Study, £100); Mrs. Elizabeth Brown, Aberdeen, £300—gift for behoof of Musical services arranged by Organist in University Chapel; Anglo-Saxon Petroleum Company, Ltd., London, £250—(gift to form Shell Scholp. in Geol. for session 1946-47, £200; gift to defray cost of Field Excursions in Geol., £50); Dr. Evan M. Barron, Nairn, £200—gift to found Barron Prize in Celtic; Dr. J. A. Ross, Aberdeen, £143—second instalment of donation towards cost of foundation of Chair of Child Health; Executrix of late Mrs. Florence Sabina Grant, London, £100—gift for behoof of Anthropological Museum; F. Ritson, C.A., Elgin, Morayshire, £100—third donation of £100 annually for a period of seven yrs. for delivery of lectures suitable for both academic circles and the general public on topics of Political Science and International Relations; Kingswells Trust, Aberdeen, £37:10s.—donation for General Purposes; late William N. McKenzie, South Africa, £21:8:5—bequest for General Purposes; Isaac Silberg, Hove, £18:3:7—first instalment of gift to form Silberg Prizes in Anat. and Physiol.; Mrs. Isabella Macdonald, Aberdeen, £5:5s.—gift to provide "George Macdonald Prize" for Degree of Ed.B. for Session 1946-47.

NEW POSTS. Anderson Chair of Psychology and Chairs in Child Health and in Biological Chemistry; Readerships in Social Medicine, Natural Philosophy, Engineering, Natural History, Education and German; Lectureships in Agriculture, Comparative Law, Soil Science, Statistics; Research Fellowships in Infant Mortality and Neuro-histology.

RETIREMENT. Prof. A. Fyfe Findlay, Prof. of Christian Ethics and Practical Theology from 1935 to 1947.

RESIGNATIONS. Dr. Marjorie M. Morgan, Lectr. (Med. Hist.), on appt. to Girton Coll., Univ. of Cambridge; Dr. J. M. Thomson, Lectr. (Midwifery), on appt. to a civil appointment; Dr. F. W. Landgrebe, Lectr. (Materia Medica), on appt. to Univ. of Edinburgh; Mr. D. B. Scott, Lectr. (Maths.), on appt. to King's Coll., Univ. of London; Dr. G. F. Asprey, Lectr. (Bot.), on appt. to Chair of Bot. in Univ. Coll. of the West Indies.

HONORARY DEGREES. D.D.—Godfrey Rolles Driver, M.C., M.A., F.B.A., Fellow of Magdalen College, and Professor of Semitic Philology, University of Oxford; The Reverend Christopher Richard North, M.A., Professor of Hebrew and Old Testament, University College of North Wales, Bangor, and Senior Honorary Secretary of the Society for Old Testament Study; The Reverend Charles Earle Raven, D.D., Master of Christ's College and Regius Professor of Divinity, University of Cambridge.

LL.D.—Charlie Dunbar Broad, M.A., Litt.D., F.B.A., Knightsbridge Professor of Moral Philosophy in the University of Cambridge; James Cruickshank, F.S.A. (Scot.), Convener of the County of Aberdeen; James Alexander Dawson, C.S.I., C.I.E., M.A. (Aberd. 1902), late Indian Civil Service, Commissioner of Excise 1932, Chief Secretary, Assam, 1933-39; Sir Thomas Mitchell, Lord Provost of the City of Aberdeen and Lord Lieutenant of the County of the City of Aberdeen; Sigurdur Nordal, Professor of Icelandic Literature in the University of Iceland at Reykjavik.

STUDENTS. 1822 (1252 men; 570 women), all full-time.

DEGREES. *Arts*: M.A. (Ord.), 99; M.A. (Hons.), 47; Ed.B., 3. *Law*: B.L., 6; LL.B., 7. *Science*: D.Sc., 1; Ph.D. (Pure Sc.), 5; B.Sc. (Pure Sc.) (Ord.), 14; B.Sc. (Pure Sc.) (Hons.), 13; B.Sc. Agr., 8; B.Sc. For., 9; B.Sc. Eng., 34 (Civil 14, Elect. 14, Mechan. 6). *Divinity*: B.D., 1. *Medicine*: M.D. (Ord.), 8; M.D. (Hons.), 1; M.B., Ch.B., 69.

UNIVERSITY OF EDINBURGH

Founded 1583

ANCELLOR—The Most Honourable THE MARQUESS OF LINLITHGOW,
K G., K.T., P.C., G.C.S.I., G.C.I.E.

DE-CHANCELLOR AND PRINCIPAL—.....

CTOR—The Right Hon. LORD CUNNINGHAM OF HYNDHOPE, Admiral
of the Fleet, O.M., K.T., G.C.B., D.S.O., LL.D.

CRETARY TO THE UNIVERSITY—CHARLES H. STEWART, M.A., LL.B.
Glas.

CRETARY TO THE GENERAL COUNCIL—D. B. HORN, M.A., D.Litt.

GISTRAR TO THE GENERAL COUNCIL—W. A. COUTTS, M.A.

BRARIAN—L. W. SHARP, Ph.D. Camb., M.A.

COUNTANT—R. O. CURLE.

Telephone : Edinburgh 41001.

TEACHING STAFF

Accounting and Business Method

rray, A. G., M.A. Prof.

itton, J., M.A., B.Com. Lectr.

ylor, R. Lectr.

chie, J. M. Asst. Lectr.

Actuarial Science

ser, H. A., F.F.A. Lectr.

ald, D. W. A., O.B.E., F.F.A.
Lectr.

Agriculture, v. infra

Anatomy

sh, J. C., M.C., M.D. Birm.,
M.A., B.Sc., M.B., Ch.B.,
F.R.C.S.Ed. Prof.

ster, R. G., M.B., Ch.B., M.D.
Sr. Lectr.

line, F. E., M.B., Ch.B.,
F.R.C.S.Ed.

(Applied A.) Lectr.

W. C. O., M.B., Ch.B., M.D.
Lectr.

g, R. C., M.B., F.R.C.S.Ed.

Lectr.

lor, H. W. Y., M.B., Ch.B. Lectr.

Duckworth, J. W. A., M.B., Ch.B.
Lectr.

Barrett, Helen S., M.B., Ch.B.
Lectr.

Stirling, R. I., M.B., F.R.C.S.Ed.
(Applied A.) Asst.

Farquharson, E. L., M.B., Ch.B.,
M.D., F.R.C.S.Ed.

(Applied A.) Asst.
Bruce, J., C.B.E., M.B., Ch.B.,
F.R.C.S.Ed.

(Applied A.) Asst.
Batty, D. M. F., M.B., Ch.B.,
F.R.C.P.Ed.

(Applied A.) Asst.

Anatomy, Comparative (Veterinary)

Grahame, T. Lectr.

Anthropology

Piddington, R., Ph.D.

(Social Anthropol.) Reader.

Hill, W. C. O., M.B., Ch.B.

(Physical Anthropol.) Lectr.

Arabic

Watt, W. M., Ph.D., B.Litt. Lectr.

- Archæology, Classical*

Archæology, Prehistoric
 Piggott, Stuart, B.Litt., F.S.A.
 Lond. Abercromby Prof.
 Drummond, H. J. H., M.A. Asst.
- Art (Fine Art)*
 Rice, D. Talbot, M.B.E., M.A.,
 B.Sc., D.Litt.
 Watson Gordon Prof.
 Robertson, G. H., B.A. Lectr.
- Astronomy*
 Greaves, W. M. H., M.A. Camb.,
 F.R.S. Reg. Prof.
- Banking*
 Lockie, J. H., B.L. Bruce Lectr.
- Bibliography*
 Sharp, L. W., M.A., Ph.D. Lectr.
- Biology, v. Nat. Hist.*
Botany, v. also Forestry
 Smith, Sir Wm. Wright, D. ès Sc.
 Toulouse, LL.D. Aberd., M.A.,
 F.R.S. Reg. Prof.
 Wilson, M., D.Sc. (Mycol. and
 Bacteriol.) Reader.
 Smith, J. L. S., M.C., M.A., B.Sc.
 Lectr.
 Lyall, C. A., B.Sc. Lectr.
 Anthony, J., M.C., M.A., B.Sc.
 (Forest B.) Lectr.
 Nelson, A., B.Sc., Ph.D. (Plant
 Physiol.) Lectr.
 Blyth, W., B.Sc. Asst.
- Celtic Languages, etc.*
 Dillon, M., M.A., Ph.D. Prof.
 Craig, K. C., M.A. Lectr.
- Chemistry*
 Kendall, James P., M.A., D.Sc.,
 F.R.S. Prof.
 Beevers, C. A., D.Sc. Lectr.
 Bolam, Mrs. Mary R., B.Sc.,
 Ph.D. Lectr.
 Bolam, T. R., D.Sc. Lectr.
 Miller, Christina C., D.Sc., Ph.D.
 Lectr.
- Campbell, N., D.Sc., Ph.D. Lectr.
 Percival, E. G. V., D.Sc., Ph.D.,
 F.R.I.C. Lectr.
 Ritchie, M., D.Sc., Ph.D. Lectr.
 Taylor, D., B.Sc., Ph.D. Lectr.
 Winning, W. I. H., B.Sc., Ph.D.
 Lectr.
- 17 other Assts.
- Chemistry in relation to Medicine*
 Marrian, G. F., D.Sc. Lond.,
 F.R.S. Prof.
 Stewart, C. P., M.Sc. Durh., Ph.D.
 Reader.
 Stedman, E., B.Sc., Ph.D., F.R.S.
 Lectr.
 Stedman, Mrs. Ellen, M.Sc. Lectr.
 Klyne, W., M.A., B.Sc. Ox. Lectr.
 Grant, J. K., B.Sc. Lectr.
 Storey, I. D. E., B.Sc., Ph.D.
 Lectr.
 Graham, A. F., M.A.Sc., Ph.D.
 Lectr.
- Minnis, J. W., B.Sc. Lectr.
 Kerr, Lynda, B.Sc. Asst.
 Paterson, J. Y. F., B.Sc. Asst.
 Roy, A., B.Sc. Asst.
 Sutherland, Elizabeth, B.Sc.
 Asst.
- Chemistry, Technical*
 Reader.
- Classics: Greek*
 Calder, W. M., B.A. Ox., M.A.
 Manc., LL.D. Aberd., D.Phil.
 Athens, F.B.A. Prof.
 Forbes, P. B. R., M.A. Camb.
 Lectr.
 Coxon, A. H., M.A. Lectr.
 Gillies, W. K., M.A., LL.D. Asst.
- Classics: Latin*
 Richmond, O. L., M.A. Camb.
 Prof.
- Potter, K. R., M.C., M.A. Lectr.
 Smith, W. K., M.A. Lectr.
 Clayton, F. W., B.A. Lectr.
- Commerce, and Organization of
 Industry, v. also Acc., Banking*
 Oliver, W., B.Sc. Prof.
 Hunt, N. C., B.Com. Lectr.

*Commercial and Polit. Econ. and
Merc. Law*, v. also Law

Gray, Sir Alexander, C.B.E., M.A.
Prof.
Rankin, Mary T., M.A., D.Phil.
Reader.

Lecturers

Birnie, A., M.A. (Econ. Hist.).
Smith, Innes, M.A.
Hunter, W. D. G., M.A. Asst.
Moller, Asta, M.A., B.Litt., D.Phil.
Asst.

Cytology, v. Nat. Hist.*Divinity*

Baillie, Rev. J., M.A., D.Litt.,
D.D., S.T.D. Prof.
Burleigh, Rev. J. H. S., B.Litt.
Ox., D.D. Aberd., M.A.
(Eccl. Hist.) Prof.
Manson, Rev. W., M.A., D.D.
(Biblical Criticism and Bib.
Antiq.) Prof.
Thomson, Rev. G. T., B.A. Ox.,
M.A. Edin., D.D. Aberd. and
Edin. (Christian Dogmatics)
Prof.
Watt, Rev. Principal H., M.A.,
D.D. (Church Hist.) Prof.
Rankin, Rev. O. S., M.A., D.D.,
D.Litt. (O.T. Lang. and Lit.)
Prof.
Stewart, Rev. James S., M.A.,
D.D. (N.T. Lang. and Lit.)
Prof.
Tindal, Rev. W. S., O.B.E., M.A.
(Christian Ethics and Practi-
cal Theol.) Prof.
Duthie, Rev. Principal C. S., M.A.,
B.D. Lectr.
Wightman, Rev. W. M., M.A.,
D.D. Lectr.
Mathers, Rev. J., O.B.E., B.D.
Asst.

Economics, v. Comm. and Pol.
Econ.*Education*

Thomson, Godfrey H., D.Sc.,
D.C.L. Durh., Ph.D. Stras.

(Dir. of Studies, Provincial
Training College) Prof.

Mowat, G., M.A., B.Ed. Lectr.
Lothian, A. J. D., M.A. Lectr.
Emmett, W. G., M.A. Lectr.
Inglis, W. B., M.A., Ed.B., Ph.D.
Lectr.

Assistants

Thomson, Edith I. M., M.A., B.Ed.
Drysdale, Annie, M.A., B.Ed.
Reside, Sheena M. M., M.A., B.Ed.
Wolstencroft, H. P., B.A.
Maxwell, J., M.A., B.Ed.

Engineering

Arnold, Ronald N., D.Sc., Ph.D.,
M.S. Reg. Prof.
Todd, J. B., B.Sc., Ph.D. (Surv.
and Hydraulics) Reader.

Lecturers

Stewart, David S., B.Sc., Ph.D.
Patterson, C.
Davidson, M., B.Sc., Ph.D. (Heat
Engines).
Carswell, J. I., B.Sc., Ph.D.
Stevenson, E., B.Sc.
Dudgeon, W., B.Sc. Lectr.
Brooks, A. Asst.
Warburton, G. B., B.A. Asst.

English Lit. and Rhetoric

Renwick, W. L., M.A., D.Litt.
Glas., D. ès L. Bordeaux
Reg. Prof.
Clark, A. M., M.A., D.Phil.
Reader.

Schram, O. K., M.A., Ph.D.
(E. Lang.) Lectr.

Grant, W. D. B., B.A. Lectr.
Douglas, W. C., M.A. Asst.
Mackenzie, Helen M., M.A., Ph.D.
Asst.
Kitchin, G., M.A., D.Litt. Asst.
Smith, Janet N., M.A., Ph.D. Asst.
Young, C. B., M.A. Asst.
Scott, A. M., M.C., M.A. Asst.
Grundy, Joan, M.A. Asst.
Aitken, A. J., M.A. (E. Lang.)
Asst.

Entomology, v. *infra* Agric.

*Forestry, v. infra Agric.**French and Romance Philol.*

- Orr, J., M.A., B.Litt. Ox., D.Litt.
 Manc., L. ès L. Paris Prof.
 Poulet, G., D. en Phil. et L., D. en
 Droit Liège Lectr.
 Legge, M. Dominica, M.A., B.Litt.
 Lectr.
 Steele, A. J., B.A. Lectr.
 Leigh, R. A., B.A. Lectr.
 Sandmann, M., Ph.D. (Romance
 Philology) Lectr.
 3 Assts.

Geography

- Ogilvie, Alan G., O.B.E., M.A.,
 B.Sc. Ox. Prof.
 Geddes, A., D. ès L. Montp., Ph.D.
 Lectr.
 Snodgrass, Catherine P., M.A.,
 Ph.D. Lectr.
 Miller, R., M.A., Ph.D. Lectr.
 Robertson, C. J., Ph.D. Lectr.
 Kenneth, J. H., M.A., Ph.D.
 Asst.
 Baker, Berenice, M.A. Asst.
 Prothero, R. M., M.A. Asst.

Geology

- Holmes, A., D.Sc., F.R.S.
 Reg. Prof.
 Campbell, R., M.A., D.Sc. (Petro-
 logy) Reader.
 Craig, G. T., Ph.D. (Palæont.)
 Lectr.
 Craig, Robert, M.A., D.Sc. (Econ.
 Geol.) Lectr.
 Cockburn, A., B.Sc., Ph.D. Lectr.
 Beveridge, R., B.Sc. Asst.

German and Teutonic Philol.

- Bruford, W. H., M.A. Camb. Prof.
 Eggeling, H. F., M.A. Reader.
 Barker, Marie L., Ph.D.
 Research Fellow and Lectr.
 Mason, E. C., M.A., Ph.D. Lectr.
 Silber, Kathe, Ph.D. Asst.

Hebrew and Semitic Langs.

- Porteous, Rev. N. W., M.A., B.D.,
 D.Litt. Prof.
 Stalker, Rev. D. M. G., B.D. Asst.

Hispanic Studies

- Walton, L. B., M.A., B.Litt. Ox.
 Reader.
 Crosland, Margaret, B.A. Lectr.
 Couper, Mary M., M.A., Ph.D.
 Asst.

*Histology, v. Physiol.**History, v. also Comm., Div.*

- Pares, R., C.B.E., M.A. Prof.
 Balfour-Melville, E. W. M., M.A.,
 D.Litt. Lectr.
 Horn, D. B., M.A., D.Litt. Lectr.
 Hay, D., M.A. (Mediæval and Gen.
 European) Lectr.
 7 Assts.

History, Ancient (Gk. & Roman)

- Giles, A. F., M.A. Edin. and Ox.
 Reader.

History, Ancient, and Palæog.

- Dickinson, W. C., M.C., M.A.,
 Ph.D., D.Lit. Prof.
 Donaldson, G., M.A., Ph.D. Lectr.
 Dunlop, Annie, M.A., Ph.D.,
 D.Litt. Asst.
 Maxwell, S., M.A. Asst.

History, Const., and Const. Law

- Saunders, L. J., M.A., D.Litt.
 Prof.
 Fraser, W. I. R., B.A., LL.B.
 Lectr.
 Matheson, A. A., M.A., LL.B.
 Asst.

Italian

- Rossi, Mario M., Ph.D. Lectr.
 Alexander, Mrs. Asst.

*Law, v. infra**Logic and Metaphysics, v. Philos.**Mathematics*

- Aitken, A. C., M.A., D.Sc., F.R.S.
 Prof.

- Edge, W. L., M.A., Sc.D. Camb. Lectr.
 Etherington, I. M. H., B.A. Ox., Ph.D. Lectr.
 Cossar, J., M.A., Ph.D. Lectr.
 Erdelyi, A., Dr. rer. nat., D.Sc. Lectr.
 Purdon, A. P., M.A. Lectr.
 Bonsall, F. F., B.A. Lectr.
 Brown, L. M., M.Sc., Ph.D. (Tech. Maths.) Lectr.
- Mathematics, Applied*
 Schlapp, R., M.A., Ph.D. Camb. Lectr.
 Nisbet, A., M.A. Lectr.
- Medicine and Surgery, v. infra*
Mining [Hood Prof.
 McAdam, R., B.Sc., Ph.D.
- Music*
 Newman, S. T. M., M.A., D.Mus., F.R.C.O. Reid Prof.
 Grierson, Mary, Mus.Doc. Lectr.
 Gal, H., Mus.Doc. Lectr.
 Fairbairn, J., Mus.Doc. Lectr.
- Natural History and Zoology*
 Ritchie, James, M.A., D.Sc. Aberd. Prof.
 Cameron, A. E., M.A., D.Sc. Reader.
- Lecturers
 Morgan, D. O., M.Sc., Ph.D. (Helminthology).
 Friend, G. F., B.A. Ox., B.Sc. Brist. (Cytology and Exp. Zool.).
 Gross, F., Ph.D. (Zool., Exp.).
 Gresson, R. A. R., Ph.D., D.Sc. (Cytol.).
 Steven, D. M., B.A., A.M., D.Phil.
 Jones, B. M., B.Sc.
- Assistants
 Gauld, D. T., B.Sc., Ph.D.
 Rankin, Jessie J., B.Sc.
- Palæontology, v. Geol.*
Petrology, v. Geol.
- Philology, v. French, Ger., Sansk.*
Philosophy
 Ritchie, A. D., M.A. Prof.
 Allen, D. J., M.A. (Ancient P.) Lectr.
 Sinclair, W. A., O.B.E., M.A. Lectr.
 Cohen, L. J., M.A. Asst.
- Philosophy, Moral, v. also Psych.*
 Macmurray, J., M.A. Prof.
 Duncan, A. R. C., M.A. Lectr.
 Bedford, E., B.A. Lectr.
 Heath, P., B.A. Asst.
 Gellner, E., B.A. Asst.
- Philosophy, Natural*
 Feather, N., B.A., B.Sc., Ph.D., F.R.S. Prof.
 Born, Max, M.A. Ox., Ph.D. Gøtt. Tait Prof.
 Carse, G. A., M.A., D.Sc. Reader.
 Richardson, H. O. W., B.A., Ph.D. Lectr.
 Childs, C. B., Ph.D. Lectr.
 Paton, J., M.A., B.Sc. Lectr.
 Dymond, E. G., M.A. Camb. (Physics) Lectr.
 Ross, Marion A. S., M.A. Lectr.
 Kyles, J., M.A. Lectr.
 Pringle, R. W., B.Sc., Ph.D. Lectr.
 Rowland, S., Ph.D. Lectr.
 Butt, D. K., B.Sc. Asst.
 Duncanson, A., B.Sc. Asst.
 Sillitto, R. M., B.Sc. Asst.
- Physiology*
 Prof.
- Lecturers
 Bruce, A. N., M.D., D.Sc., F.R.C.P. (P. of Nervous System).
 Eggleton, P., D.Sc. Lond.
 Pickford, Mary, M.Sc. Lond.
 Ritchie, A. E., M.A., B.Sc., M.D.
 Hebb, Catherine O., M.A. Ph.D.
 Hutchison, W. C., B.Sc., Ph.D.
 Wallace, J., M.B., Ch.B.
- Assistant
 Duke, Helen, M.B., Ch.B.

Pol. Econ, v. *Commercial Econ.*,
Hist.

Political Science
Nobbs, D., M.A. Camb. Lectr.

Psychology
Drever, J., M.A. Prof.
Collins, Mary, M.A., B.Ed., Ph.D. Lectr.
Semeonoff, B., M.A., B.Ed., Ph.D. Lectr.
Misselbrook, B. D., B.A. Lectr.
M'Meecken, Agnes N., M.A., B.Sc. Asst.
Harrowes, W. M., M.B., Ch.B. Asst.

Sladden, Agnes Asst.

Rhetoric, v. *English*

Sanskrit and Comp. Philol.
..... Reg. Prof.

Semitic Langs., v. *Hebrew*

Social Study
Milnes, Nora, B.Sc. Reader.
Stark, W., Dr. rer. pol., Dr. jur. Lectr.
Gregor, Mary J. F., B.Sc., Ph.D. Lectr.
Waldron, Florence E., B.A. Lectr.

Statistics, v. *Comm.*

Theology, v. *Divinity*

Zoology, v. *Nat. Hist.*

Agriculture and Forestry
(v. also Bot., Engin.)

Agriculture and Rural Economy
Watson, Stephen J., M.Sc., D.Sc., F.R.I.C. Prof.
Gordon, J. Evans, B.Sc., Ph.D. Lectr.

Agricultural Bacteriology
Gibson, Thomas, D.Sc. Lectr.

Agricultural Chemistry
Smith, A. M., Ph.D., D.Sc. Lectr.

Agric. and Forest Entomol.

Cameron, A. E., M.A., D.Sc. Reader.
McHardy, J. W., B.Sc. Lectr.

Animal Genetics
Waddington, C. H., Sc.D. Prof.
Greenwood, A. W., Ph.D., D.Sc. Lectr.
Smith, A. D. B., C.B.E., M.A., D.Sc. Lectr.
Donald, H. P., D.Sc., M Agr Sc. Lectr.
Auerbach, Charlotte, Ph.D. Lectr.
Blyth, Janet S. S., B.Sc., Ph.D. Asst.

Forestry
Stebbing, E. P., M.A. Prof.
Fergusson, D. C., B.Sc. Lectr.
Harrison, J. L. Lectr.

Law

Administrative Law
M'Larty, M. R., M.A. Lectr.

Civil Law
Fisher, M. G., K.C., M.A., LL.B. Prof.
Crawford, J. A., M.A., LL.B. Asst.
Johnston, A. M., M.A., LL.B. Asst.

Constitutional Law, v. *Hist.*

Conveyancing
Monteath, H. H., M.A., LL.B., W.S. Prof.
Matheson, A. A., M.A., LL.B. Asst.
Duncan, A. G. M., LL.B. Asst.

English Law
..... Reader.

Evidence and Pleading
Grant, W., B.A., LL.B. Lectr.

Industrial Law
Sloan, N. A., B.L. Lectr.

International Private Law
..... Reader.

Public Law

Campbell, A. H., M.A., B.C.L. Ox.,
LL.M. Reg. Prof.
Kidd, Margaret H., M.A., LL.B.
Asst.

Railway Economics

Joynt, T. A., M.A. Lectr.

Scots Law

Montgomery, G. A., K.C., M.A.,
LL.B. Prof.
Maxwell, D., M.A., LL.B. Lectr.
Taylor, R. R., M.A., LL.B., Ph.D.
Lectr.
Anderson, D. C., B.A., LL.B.
Lectr.
Wilson, J. G., M.A., LL.B. Asst.

Medicine

(for subjects of the first 2 yrs.—
Anat., etc., v. *supra*)

Bacteriology

Mackie, T. J., C.B.E., M.D. Glas.,
D.P.H. Ox. R. Irvine Prof.
King, Henry K., M.A., Ph.D.
Lewis Cameron Lectr.
Ives, J. C. J., M.B., Ch.B. Lectr.
Swain, R. H. D., M.A., M.D. Lectr.
Wright, Helen A., M.B., Ch.B.,
D.P.H. Lectr.
Duguid, J. P., B.Sc., M.B., Ch.B.
Lectr.
MacCabe, A. F., M.B., Ch.B.,
D.P.H. Lectr.
Buchanan, Margaret M., B.Sc.
Asst.
Cranfield, Joyce D., B.Sc. Asst.

Chemistry, Clinical

Stewart, C. P., M.Sc., Ph.D.
Reader.
Billing, Barbara Asst.

Child Life and Health, v. also
infra Clin. Teaching Staff

Ellis, R. W. B., M.A., M.D.,
F.R.C.P. Prof.
Henderson, J. L., M.D.,
F.R.C.P.Ed. Sr. Lectr.

Tait, H. P., M.D., F.R.C.P.Ed.
(Preventive Pædiatrics)

Sr. Lectr.
MacGregor, Agnes R., M.D.,
F.R.C.P.Ed. Lectr.
Claireaux, A. E., M.B., Ch.B.
Lectr.
Thomson, J., M.B., Ch.B., D.P.H.,
D.C.H. Lectr.

Dental Diseases

Jamieson, J. D. H., H.D.D., L.D.S.
Lectr.

Dermatology

Percival, G. H., M.D., F.R.C.P.Ed.
Prof.
Hannay, P. W., M.B., Ch.B. Lectr.
Donaldson, E. M., M.B., Ch.B.
Lectr.
Duthie, D. A., M.B., Ch.B. Asst.

Eye, Diseases of the, v. *infra*
Clin. Teaching Staff*Forensic Med.*

Smith, S. A., C.B.E., M.D., D.P.H.
Edin. and Glas., F.R.C.P.Ed.
Reg. Prof.
Fiddes, F. S., O.B.E., M.B., Ch.B.
Lectr.
Ogilvie, R. F., M.D., F.R.C.P.Ed.
Asst.

Gynæcology, v. Obstetrics and
Gynæcology, also *infra* Clin.
Teaching Staff*History of Med.*

Guthrie, D., M.D., F.R.C.S. Lectr.

Infectious Diseases

Joe, A., D.Sc., M.D., D.P.H. Lectr.

Laryng, Otol. and Rhinology, v.
infra Clin. Teaching Staff*Materia Medica*

Gaddum, J. H., Sc.D., F.R.S. Prof.
Vogt, Martha, Dr. Med., Dr. Phil.,
Ph.D. Lectr.
Adam, H., M.B., Ch.B. Lectr.
Crawford, T. B. B., B.Sc., Ph.D.
Lectr.

Weatherall, M. L., B.Sc., B.M.,
Ch.B. Lectr.
Lyon, R. M. Murray, M.D.,
F.R.C.P.Ed. Asst.
Hunter, R. B., M.B.E., M.B., Ch.B.
Asst.

Medicine, v. also *infra* Clin.
Teaching Staff

Davidson, L. S. P., B.A. Camb.,
M.D., F.R.C.P.Ed. Prof.
Turner, R. W. D., M.A., M.D.

Sr. Lectr.
Meiklejohn, A. P., B.M., Ch.B.
(Nutrition) Sr. Lectr.
Duthie, J. J. R., M.B., Ch.B.
(Rheumatology) Sr. Lectr.
Girdwood, R. H., M.B., Ch.B.,
F.R.C.P.Ed. Lectr.
Robson, H. N., M.B., Ch.B. Lectr.
Sclater, J. G., B.Sc., M.B., Ch.B.,
F.R.C.P.Ed. Lectr.
Clark, J. R., M.B., Ch.B. Asst.
Levin, E. J., M.D. Asst.
Lindsay, Sheila T., B.Sc. Asst.

Medicine, Clinical, v. also *infra*
Clin. Teaching Staff

Lyon, D. Murray, M.D., D.Sc.,
F.R.C.P.Ed., D.P.H. Ed. and
Glas. Prof.

Mental Diseases, v. Psychiatry

Neurological Surgery

Dott, N. M., M.B., Ch.B.,
F.R.C.S.Ed. Prof.

Neurology, Clinical

Slater, J. K., C.B.E., M.D.,
F.R.C.P.Ed. Lectr.

Obstetrics and Gynæcology, v.
also *infra* Clin. Teaching Staff

Kellar, R. J., M.B.E., M.B., Ch.B.,
F.R.C.S.Ed., F.R.C.P.Ed.,
F.R.C.O.G. Prof.
Morris, W. I. C., M.B., Ch.B.,
F.R.C.S.Ed., F.R.C.O.G.
Sr. Lectr.
Matthew, G. D., M.B., Ch.B.,
F.R.C.S.Ed. Lectr.

Anderson, A. F., B.Sc., M.B.,
F.R.C.S. Lectr.
MacGregor, T. N., M.D.,
F.R.C.S.Ed.

(Gynæcol. Endocrinology) Lectr.

Liston, W. A., M.B., Ch.B.,
F.R.C.S.Ed., F.R.C.O.G. Asst.
Orthopædics

.....

Pathology, v. also Anat.—Morb.
and Bacteriol.

Drennan, A. M., M.D., F.R.C.P.Ed.
Prof.
Forbes, W., B.Sc., M.B., Ch.B.

Sr. Lectr.
Ogilvie, R. F., M.D., F.R.C.P.Ed.
Lectr.

Campbell, A. C. P., M.B., Ch.B.,
F.R.C.P.Ed. Lectr.

Leitch, L. G., M.B., Ch.B. Lectr.
Scott, P. H., M.B., Ch.B. Asst.

MacDonald, Mary K., M.B., Ch.B.
Asst.

Strawbridge, H. T. G., M.B., Ch.B.
Asst.

Maloney, G. F. J., M.B., Ch.B.,
B.Sc. Asst.

Rhaney, K., M.B., Ch.B. Asst.

Psychiatry

Henderson, Sir David K., M.D.,
F.R.F.P.S. Prof.

Bailey, J. R., M.B., Ch.B. Lectr.
Stalker, H., M.B., Ch.B. Lectr.

Public Health and Social Medicine

Crew, F. A. E., M.D., D.Sc., Ph.D.,
F.R.S., F.R.C.P.Ed. Prof.

Clark, W. G., M.B., Ch.B. (M.O.H.
for the city) (San. Admin.)

Sr. Lectr.
Passmore, R., M.A., D.M. (Clin.
and Indust. Physiol.) Sr. Lectr.

Scott, R., M.D., D.P.H. Lectr.

Swanston, Catherine N., D.I.H.,
D.P.H. (Industrial Health)
Lectr.

Woolf, B., M.A., Ph.D. (Medical Statistics) Lectr.
 Petrie, P. W. R., M.B., Ch.B., D.T.M. and H. (Medical Statistics) Lectr.
 Misselbrook, B. D., B.A. (Indust. Psychol.) Lectr.
 Seiler, H. E., M.D., D.P.H. Lectr.
 Gammie, J. L., M.B., D.P.H. Lectr.
 Donald, A. B., M.B., D.P.H.

Lectr.
 Duncan, Ethel H. L., M.A., B.Sc. Asst.
 Paterson, J. E., M.A. Asst.

Radiology

McWhirter, Robert, M.B., Ch.B., F.R.C.S. Prof.
 Shearer, W. S., M.D., D.R., F.R.C.S.Ed. (Radio - Diagnosis) Sr. Lectr.
 M'Gibbon, J. P., M.D., D.P.H., D.M.R., F.R.C.P.Ed. Lectr.
 Brown, W. M. Court, M.B., Ch.B. Lectr.
 Ridley, E., M.B., Ch.B. Asst.
 Lindsay, D. W., M.B., Ch.B., D.M.R.E. Asst.
 Murison, C. A., M.A., Ph.D. (Physics) Lectr.

Surgery, v. also *infra* Clin. Teaching Staff

Learmonth, J. R., C.B.E., Ch.M. Glas., F.R.C.S.Ed. (Surgery and Clin. S.) Prof.
 Douglas, D. M., M.B.E., Ch.M., F.R.C.S. (Experimental S.) Lectr.
 Gillies, J., M.B., F.R.C.S.Ed. (Anæsthetics) Lectr.
 Band, D., F.R.C.S.Ed. (Urological S.) Lectr.
 Brown, J. J. M., F.R.C.S.Ed. (Pediatric S.) Lectr.
 Wallace, A. B., F.R.C.S.Ed. (Plastic S.) Lectr.
 Logan, A., F.R.C.S.Ed. and Eng. (Thoracic S.) Lectr.

Bruce, J., M.B., Ch.B., F.R.C.S.Ed. Lectr.
 Millar, T. McW., M.B., Ch.B., F.R.C.S.Ed. Lectr.
 Lowdon, A. G. R., M.A., M.B., Ch.B., F.R.C.S.Ed. Lectr.

Therapeutics, v. also *infra* Clin. Teaching Staff

Dunlop, D. Melville, B.A. Ox., M.D. Prof.
 Hill, I. G. W., C.B.E., M.B., Ch.B., F.R.C.P.Ed. Lectr.
 Donald, J. B. Lectr.
 Hunter, R. B., M.B.E., M.B., Ch.B. Lectr.
 Hendry, E. B., B.Sc., Ph.D., M.B., Ch.B. Lectr.

Tropical Climates Diseases

Hodge, Lt.-Col. E. H. V., B.A., M.D. Camb., F.R.C.P. Lectr.

Tropical Hygiene

Curran, Lt.-Col. E. J., M.B., B.Ch. Lectr.

Tuberculosis

Cameron, C., M.A., M.D., D.P.H., F.R.F.P.S. Prof.
 Horne, N., M.B., Ch.B. Asst.

Venereal Diseases

Batchelor, R. C. L., M.A., M.B., Ch.B., F.R.C.S.Ed., D.P.H. Ed. and Glas. Lectr.
 Horne, G. O. Asst.
 Murrell, Marjory, M.B., B.S. Lond. Asst.

Clinical Teaching Staff

ROYAL INFIRMARY—

Clinical Surgery Surgeons

Jardine, F. E., M.B., Ch.B., F.R.C.S.Ed.
 Wood, W. Q., M.D., Ch.M., F.R.C.S.Ed.
 Learmonth, Prof. J. R., C.B.E., M.B., Ch.M. Glas., F.R.C.S.Ed., M.D.

Mercer, W., M.B., Ch.B.,
F.R.C.S. Ed.

Brown, K. Paterson, M.B., Ch.B.,
F.R.C.S. Ed.

Stewart, R. L., M.B., Ch.B.,
F.R.C.S. Ed.

Asst. Surgeons

Miller, T. M'W., M.B., Ch.B.,
F.R.C.S. Ed.

Adamson, W. A. D., M.B., Ch.B.,
F.R.C.S. Ed.

Cameron, J. R., F.R.C.S. Ed.

Farquharson, E. L., M.D.,
F.R.C.S. Ed. and Eng.

Jeffrey, J. S., M.A., M.D.,
F.R.C.S. Ed.

Lowdon, A. G. R., M.A., M.B.,
Ch.B., F.R.C.S. Ed.

Wilson, T. I., M.B., Ch.B.,
F.R.C.S. Ed.

Porter, H. W., M.B., Ch.B.

Ross, J. A., O.B.E., M.B., Ch.B.,
F.R.C.S. Ed.

Clinical Medicine

Physicians

Lyon, Prof. D. Murray, M.D.,
D.Sc., F.R.C.P. Ed.

Hewat, A. F., M.D., F.R.C.P. Ed.

Small, W. D. D., C.B.E., M.D.,
F.R.C.P. Ed.

Alexander, W. A., M.B., Ch.B.,
F.R.C.P. Ed.

Dunlop, Prof. D. M., B.A., M.D.,
F.R.C.P. Ed.

Davidson, Prof. L. S. P., B.A.,
M.D., F.R.C.P. Ed. and Eng.

Gilchrist, A. R., M.B., Ch.B.,
F.R.C.P. Ed.

Todd, T. R. R., M.D., F.R.C.P. Ed.

Asst. Physicians

Slater, J. K., C.B.E., M.D.,
F.R.C.P. Ed.

Cameron, J. D. S., M.D.,
F.R.C.P. Ed.

Lyon, R. M. Murray, M.D.,
F.R.C.P. Ed.

Lamb, W. L., M.B., Ch.B.,
F.R.C.P. Ed.

Hill, I. G. W., C.B.E., M.B., Ch.B.,
F.R.C.P. Ed.

Hamilton, J. G. M., M.B., Ch.B.,
F.R.C.P. Ed.

Croom, J. H., B.A., M.B., Ch.B.,
F.R.C.P. Ed.

Robertson, C. K., M.D.,
F.R.C.P. Ed., D.P.H.

Batty, D. M. F., M.B., Ch.B.,
F.R.C.P. Ed.

Clinical Obstetrics and Clin. Gynaecology

Obstetricians and Gynaecologists

Kellar, Prof. R. J., M.B.E.,
M.B., Ch.B., F.R.C.S. Ed.,
F.R.C.O.G.

Miller, D. A., M.D., F.R.C.S. Ed.,
F.R.C.P. Ed., F.R.C.O.G.

Fahmy, E. C., M.B., F.R.C.S. Ed.,
F.R.C.O.G.

Asst. Obstetricians and Gynæ-
cologists

Sturrock, J., M.B., F.R.C.S. Ed.,
F.R.C.O.G.

Kennedy, C. D., M.B., F.R.C.S. Ed.,
F.R.C.O.G.

MacGregor, T. N., M.D.,
F.R.C.S. Ed.

Jr. Asst. Obstetricians and
Gynaecologists

Liston, W. A., M.B., Ch.B.,
F.R.C.S. Ed.

Matthew, G. D., M.B., Ch.B.,
F.R.C.S. Ed.

Callam, W. D. A., M.B., Ch.B.,
F.R.C.S. Ed.

Ophthalmology

Surgeons

Graham, C. W., M.B., Ch.B.,
F.R.C.S. Ed.

Paterson, J. R., M.B., Ch.B.,
F.R.C.S. Ed.

Asst. Surgeons

Scott, G. I., M.B., Ch.B.,
F.R.C.S. Ed.

Macaskill, J., M.B., Ch.B.,
F.R.C.S. Ed.

Ear, Nose, Throat

Surgeons

Martin, G. E., M.A., M.B., Ch B,
F.R.C.S.Ed

Hall, I. S., M.B., Ch.B., F.R.C.S.Ed.

Asst. Surgeons

Stewart, J. P., M.D., F.R.C.S.Ed.

Smith, A. B., M.D., F.R.C.S.Ed.

Jr. Asst. Surgeons

Farquharson, I. M., M.B., Ch.B.,
F.R.C.S.Ed.

Lumsden, R. B., M.B., Ch.B.,
F.R.C.S.Ed.

Dermatology

Physicians

Aitken, R., M.D., F.R.C.P.Ed.

Percival, Prof. G. H., M.D., Ph.D.,
F.R.C.P.Ed., D.P.H.

Asst. Physician

Peterkin, G. A. G., M.B., Ch.B.,
F.R.C.P.Ed.

ROYAL HOSPITAL FOR SICK CHILDREN—

Physicians

Ellis, Prof. R. W. B., M.A., M.D.,
F.R.C.P.Ed.

Wallace, H. L., M.D., F.R.C.P.Ed.

Nicholson, D. N., M.B., Ch.B.,
F.R.C.P.Ed.

Asst. Physicians

Dott, E. F., M.B., Ch.B.,
F.R.C.P.Ed.

Henderson, J. L., M.D.,
F.R.C.P.Ed.

Miller, R. A., M.A., M.D.,
F.R.C.P.Ed.

Surgeons

Brown, J. J. M., M.B., Ch.B.,
F.R.C.S.Ed.

Wallace, A. B., M.B., Ch.B.,
F.R.C.S.Ed.

Asst. Surgeons

Mackay, Rosamund M. I., M.B.,
Ch.B., F.R.C.S.Ed.

Robarts, F. H., M.B., Ch B.,
F.R.C.S.Ed

MUNICIPAL HOSPITALS—

Medical Unit

Director—Davidson, Prof. L. S. P.,
B.A., M.D., F.R.C.P.Ed.

Physician—Turner, R. W. D.,
M.A., M.D.

Asst. Physicians

Sclater, J. G., B.Sc., M.B., Ch.B.,
F.R.C.P.Ed.

Bruce, J. A., M.B., Ch.B.,
F.R.C.P.Ed.

Surgical Unit

Director—Learmonth, Prof. J. R.,
C.B.E., Ch.M., F.R.C.S.Ed.,
M.D.

Surgeons

Bruce, J., C.B.E., M.B., Ch.B.,
F.R.C.S.Ed

Band, D., M.B., Ch.B., F.R.C.S.Ed.
Logan, A., F.R.C.S.Ed.

Obstetrics and Gynæcology Unit

Director—Kellar, Prof. R. J.,
M.B.E., F.R.C.S.Ed.,
F.R.C.P.Ed., F.R.C.O.G.

Deputy Director—Morris, W. I. C.,
M.B., Ch.B., F.R.C.S.Ed.

Asst. Gynæcologist—Little, Ethna,
M.B., Ch B., F.R.C.S.Ed.

Visiting Physician—Paterson, Susan-
sanne, M.A., M.D., F.R.C.S.Ed.

Children's Unit

Director—Ellis, Prof. R. W. B.,
O.B.E., M.A., M.D.,
F.R.C.P.Ed.

Asst. Physicians

Henderson, J. L., M.D.,
F.R.C.P.Ed.

Tait, H. P., M.D., F.R.C.P.Ed.

Physical Education

Usher, Col. C. M., D.S.O., O.B.E.
Director.

Romanes Lecturer

.....

Gifford Lecturer in Nat. Theol.

Christopher Dawson, M.A.

Sharpey Schafer Memorial

Lecturer (Physiology), biennial

1947—Charles H. Kellaway, M.C.,
M.D., F.R.C.P., F.R.S. (Di-
rector-in-Chief of the Well-
come Research Institution).

CONSTITUENT COLLEGE

NEW COLLEGE (founded in 1846 by the Free Church of Scotland: from 1900 a Divinity Hall of the United Free Church of Scotland, and from 1929 of the reunited Church of Scotland in union with the Divinity Hall of the Church of Scotland as previously constituted by the University Faculty of Divinity), the seat of the Faculty of Divinity in the University as enlarged after 1929, owned and maintained by the Church of Scotland, and accommodating the ordinary and the postgraduate courses in Theology. Principal and Dean of Faculty, Rev. Prof. Hugh Watt, D.D. Secretary, Rev. Prof. N. W. Porteous, M.A., D.D. Staff: The Univ. Professors and Lecturers, as above. Librarian: J. B. Primrose, M.A. (over 100,000 vols. in the collection). *Christian Sociology*, Rev. W. S. Tindal, M.A., Warden of New College Settlement. *Elocution*, Rev. Frank Philip.

AFFILIATED COLLEGES

HERIOT-WATT COLLEGE, Chambers St., Edinburgh. Founded as School of Arts, 1821; present title adopted 1885. Affiliated to the Univ. of Edinburgh, Feb. 7, 1933. Chairman of Governors, The Lord Provost of Edinburgh. *Principal*, J. C. Smail, O.B.E., LL.D. The College provides instruction in Day and Evening Classes for those following or proposing to follow technical careers in Mech. Eng., Electr. Eng., Mining Eng., Applied Chem., Brewing, Pharmacy, Optics, Building and Printing. Evening Courses are also provided in Commerce, Langs. and Music. Special courses arranged for research students and for others requiring particular instruction in Laboratory or Workshop Practice, etc. Diplomas and Associateships for full-time day study in Mech. Eng., Electr. Eng., Mining Eng., Applied Chem., Brewing and Distilling. Mine Rescue Station available for instruction of day students. The Coll. is authorized by the Home Office to grant Certif. to mine firemen, examns. being arranged at various centres in the area under control of the Coll., including the Lothians, Fife and Clackmannan.

Entrance examinations in June and Sept. Exemption granted to students who hold the Leaving Certif. of the Scottish Educn. Dept., or have passed the Scottish Univs. Prelim. Examns., or satisfy the Principal as to the adequacy of their general education.

Students holding a degree in Pure or Applied Sci. of a recognized Univ. may be admitted for special study for the Diplomas and Associateship.

Fees: Entrance examn., £1: 1s., remitted on passing and joining the Coll. Admission direct to Second or Third Yr. Courses, 30s. Matricn. fee for each session, £1: 10s. for full-time students; others, 10s. Tuition fees for Diploma courses: Mech. or Elec. Engin., £27 p.a.; Mining Engin., £30 p.a.; Applied Chem., £25 p.a. (1st and 2nd yrs.), £20 p.a. (3rd and 4th yrs.); Brewing, £15: 15s. p.a.

Staff: *Chem.*, Prof. Hugh B. Nisbet, D.Sc., Ph.D., F.R.I.C.; Sr. Lectr., J. Sandilands, Ph.D., F.R.I.C.; 7 other Lectrs. *Eng., Electr.*, Prof. M. G. Say,

Ph.D., M.Sc., D.I.C.; Sr. Lectr., E. O. Taylor, B.Sc., D.I.C.; 4 Lectrs. *Eng. Mech.*, Prof. W. G. Green, B.Sc., Ph.D.; Asst. Profs. H. H. Vaughan, B.Sc., R. S. Smillie, B.Sc.; 6 Lectrs. *Eng., Mining*, Prof. R. McAdam, B.Sc., Ph.D., 3 Lectrs. *Maths.*, 3 Lectrs. *Physics*, Prof. W. H. J. Childs, D.Sc., F.I.P., Sr. Lectr., J. Milne, B.Sc.; 2 other Lectrs. *Building*, 2 Lectrs. *Pharmacy*, 4 Lectrs. *Printing*, 5 Lectrs., with addnl. Lectrs. and Instrs.

ROYAL (DICK) VETERINARY COLLEGE, EDINBURGH. Founded 1823, incorporated 1906. Affiliated to the Univ. of Edinburgh 1933. Inclusive fee for all subjects, £34:13s., for each period of 3 terms. Facilities for postgraduate study (enquiries to be addressed to the Principal).

Principal and Prof. of Surgery: W. M. Mitchell, M.C., T.D., B.Sc., M.B., Ch.B. Profs.: *Anat.*, T. Grahame, T.D., F.R.C.V.S.; *Animal Husbandry*, A. Robertson, M.A., B.Sc., Ph.D., F.R.I.C.; *Med. and Pharmacol.*, G. F. Boddie, B.Sc. Sr. Lectrs. in charge of *Bacteriol.*, J. S. Garside, Ph.D., D.V.S.M.; *Pathol.*,; *Physiol.*, F. J. Elliott, M.Sc., Ph.D., F.R.I.C. 5 Sr. Lectrs., in addition, 14 Jr. Lectrs., 6 External Teachers, 3 Clinical Assts., 9 Demrs.

ASSOCIATED COLLEGE, in which Univ. courses are provided.

EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. Principal: Prof. S. J. Watson, M.Sc., D.Sc., F.R.I.C. *Agric. and Rural Econ.*, J. E. Gordon, Ph.D., A. E. Cox, B.Sc.; *Chem. and Agric. and Forest Chem.*, A. M. Smith, Ph.D., D.Sc., F.R.I.C., F. E. Moon, M.Sc., Ph.D., J. McGillivray, C.D.A., A. Comrie, Ph.D.; *Botany (Agric., Hortic. and Econ.)*, E. W. Fenton, M.A., D.Sc., E. W. Debney, Ph.D., J. Patricia Watts, B.Sc.; *Zool.*, P. F. Kendall, B.Sc.; *Bacteriol.*, T. Gibson, D.Sc., Mrs. Anna C. Stirling, B.Sc.; *Eng. and Surveying*, L. M. Walker, B.Sc., J. Weir, B.Sc., A. Hardie, B.Sc.; *Hortic.*, G. M. Stuart, M.B.E.; *Adv. Econ.*, D. Witney, B.Com., J. D. Nutt, B.A., D. M. Leask, B.Sc., J. R. Phillips, J. MacLellan, B.Sc., Helen C. McIver, B.Sc.; *Adv. Bot.*, R. G. Heddle, M.A., B.Sc., C. C. V. Batts, B.Sc.; *Adv. Bacteriol.*, A. Cunningham, D.Sc., L. A. Mabbitt, B.Sc., D. H. McLeod, B.Sc.; *Adv. Entomol.*, Dr. A. E. Cameron, J. W. McHardy, B.Sc., I. D. West, B.Sc.; *Vet. Investigation Service*, J. T. Stamp, B.Sc., J. A. Watt, B.Sc., I. S. Beattie, B.Sc. Extension Staff: *Regional Director*, G. A. Catto, B.Sc., A. K. W. Meiklejohn, B.Sc.; 30 Assistants.

GENERAL INFORMATION, v. also pp. 390 ff.

Originally the "Town's College," founded in 1583 by the Town Council under general powers granted by Royal Charter, April 14, 1582. The Old College on the site of "Kirk o' Field," the scene of the murder of Lord Darnley, was designed by Robert Adam, and completed in 1838. Newer buildings include the Medical Buildings and the McEwan Hall (1888-97), which holds 2600 and has a great electric organ; and "The King's Buildings" (commenced in 1920) for Chemistry and other Science Depts. The Medical School of this Univ. has been famous for many generations; specially ample provision exists also for instruction and research in Theology (post-grad. school instituted 1919), Agric., For., Engin., Mining and Vet. Sc. Edinburgh is the seat of the Scottish Supreme Courts of Law.

LIBRARY, founded in 1580, about 515,000 vols., 4000 MSS. and 3000 Charters. The MSS. include the Laing MSS. (Scottish and miscellaneous), Laing Charters, 854-1837 (chiefly Scottish), Arabic and Persian MSS. The chief special book collections are the Drummond of Hawthornden (16th cent.

literature), Halliwell-Phillipps (Shakespeare), Lord Abercromby (Archæology, Ethnology), Blackie (Modern Greek), Bruce (Oceanography), Cameron and Mackinnon (Celtic), Hodgson (Economics), Berriedale Keith (Indian history and literature, and the Constitution of the British Empire). There is a good medical collection and a valuable Reid Music Library. A *catalogue of the printed books*, 3 vols., was published 1918-23. MUSEUMS: Nat. Philos., Fine Art, Geol., Nat. Hist., Chem., Forestry, Agric., Entom. and Forest Zool. (Waterhouse collection of Coleoptera), Anat. (founded with the Monro collection in 1800; numerous specimens of Cetacea and human crania), Physiol., Mat. Med. (notable collections of medicinal and food substances, including those of Duncan and Christison), Forensic Med., Practice of Physic, Surg., Obst. (Simpson collection), Music and Musical Instruments. The Prof. of Botany is Regius Keeper of the *Royal Botanic Garden*; the Prof. of Astronomy is Astronomer Royal for Scotland and gives practical courses at the *Royal Observatory*. The LABORATORIES are especially well equipped for research in Anatomy, Anthropology, Bacteriology, Chemistry (the Labs. at King's Buildings, completed 1924, have accommodation for about 400 students), Zool., Mining, Engin. (notably Hydrs., Strength of Materials, Elec. Engin.), Mat. Med., Path., Physics, Physiol., Psych., Pub. Health. The Jane Findlay Thomson Commercial Laboratory facilitates the training of B.Com. students in practical business methods. The Univ. has a table at the Millport Marine Station. HOSPITALS: the Royal Infirmary adjoining the Univ. provides over 1000 beds for clinical teaching, in addition to the Children's, Maternity and Fever Hospls., the Royal Mental Hospl., the Royal Victoria Hospl. for Tuberculosis, and the Municipal Hospls.

FACULTIES. (1) Arts, (2) Science (including Engineering, Mining, Technical Chemistry, Agriculture, Forestry and Veterinary Science, as well as Pure Science), (3) Divinity, (4) Law, (5) Medicine, (6) Music. Deans: (1) Prof. W. M. Calder (Greek), (2) Prof. James Ritchie (Nat. Hist.), (3) Prof. Hugh Watt (Ch. Hist.), (4) Prof. M. G. Fisher (Civil Law), (5) Prof. Sydney Smith (Forensic Med.), (6) Prof. S. T. M. Newman (Music).

There are 9 Directors of Studies in the Faculty of Arts, 8 in the Faculty of Science, and 1 for those combining studies in the Faculties of Science and Medicine.

ADMISSION. See Appendix I.

DEGREES (v. also pp. 391 ff.).

A candidate for the B.Sc. in *Vet. Sc.* must (i) have passed the Prelim. examn. for degrees in Sci., (ii) have been engaged in Vet. study for 5 yrs., (iii) have a registrable qualification, (iv) have attended certain specified courses, including 1 yr. of study in this Univ. The Royal (Dick) Vet. Coll., Edin., provides certain of the qualifying courses.

Candidates for the *Mus.Bac.* must have passed the Prelim. Examn. or its equivalent, together with a qualifying examn., and attended a course in this Univ. during 3 winter sessions. A *Mus.Bac.* of 3 yrs.' standing, and not less than 25 years of age, may offer himself for the *Mus.Doc.* (which may also be conferred *honoris causa*) as Composer, as Executant, or as Theorist or Historian.

DIPLOMAS AND CERTIFICATES. Actuarial Mathematics, 2 yrs.—open to persons previously admitted as students of the Faculty of Actuaries.

Agricultural Science, 1 yr.—open to Hons. grads. in Sci. or Econ., or Ordinary grads. in Agric. of this or any other approved Univ.

Education—open to persons who have attended a course of Professional training or have had at least 3 yrs.' experience as a teacher, and have com-

pleted a graduation course in Arts or Sci. The diploma is granted on completion of Univ. courses (1 yr.) and passing exams. in Psych., Theory and Hist. of Edn., and modern Educnl. Systems and Problems.

Administrative Law and Practice—open to grads. of a British Univ. or other recognized Univ. and to those who have reached a similar standard.

English Studies—open to grads. of the Univ. and to those who have reached a similar standard.

Public Health, Industrial Medicine (each 1 acad. yr.), Radiodiagnosis (18 mos.), Radiotherapy (2 yrs.), Trop. Med. and Hygiene (6 mos.)—open to grads. in Med. of the Univ. and others holding corresponding degrees or registrable qualifications.

Psychiatry—the course is in abeyance at present. New regulations are under consideration.

Technical Chemistry (1 yr.)—open to grads. of British or other approved Univs. who have taken a Science degree with Hons. in Chemistry.

Social Study (1 yr.)—open to grads. of British or other approved Univs. with certain restrictions as to subjects taken for degree. A Certificate (2 yrs.) is granted to those whose education is equivalent to Univ. Entrance standard.

A Health Visitor's Certificate is also granted (6 mos.) to registered nurses, who must hold the Central Midwives' Board certif. or sign an undertaking that they are willing to obtain this.

Certificate in Physical Training—open to matriculated students studying for a degree or diploma or engaged in postgraduate research who follow a prescribed course of training.

A Sister Tutor's Certificate is granted. Enquiries should be addressed to the Secretary, Royal College of Nursing, Scottish Board, 40 Melville Street, Edinburgh.

POSTGRADUATE TEACHING for Medical graduates is organized by the Edinburgh Postgraduate Board for Medicine. Particulars of courses, etc., may be obtained from the Director of Postgraduate Studies in Medicine, University New Buildings, Edinburgh 8. The Postgraduate School of Theology issues a detailed list of courses. Graduates contemplating research should apply to the Deans.

SCHOLARSHIPS (v. also pp. 393-4). Total annual value over £30,000; for graduates only, £6000. Most are open to colonial and foreign students. The Earl of Moray's Endowment provides about £1100 p.a. for research.

Travelling for study or research is encouraged by Dickson Fund (£90 p.a.), Dundas Latin Studies Fund (£40 p.a.), Drummond Mathematical Scholarship (£140 p.a. for 2 yrs.), MacLaren Mathematical Scholarship (£200 for 2 yrs.), Scott Scholarship for Graduates in Arts (£77), M'Cosh Bursaries for Graduates in Medicine (£312), Lorimer Scholarship in Law (£170 for 1 yr.).

FEES (v. also Carnegie Trust, p. 394). Matriculation, 2½ gs. p.a. Inclusive tuition fees for M.A., Ord., 57 gs., Hons., 76 gs.; LL.B., 54 gs.; B.L., 42 gs.; B.Sc. Engin., 114 gs.; Agr., Ord., 114 gs., Hons., 152 gs.; Mining, 129 gs.; Forestry, 129 gs.; Technical Chemistry, 127 gs.; Pure Sc., Ord., 114 gs., Hons., 152 gs.; B.D., 51 gs.; M.B., Ch.B., approx. 225 gs. Combined M.A. and B.Sc. in Pure Sci., 150 gs.; M.A. and B.Sc. in Agr. or Engin. or For., 145 gs.; M.A. and B.Com. or LL.B., 90 gs.; M.A. and B.L., 80 gs.; B.Sc. in Agr. and in For., 170 gs. Examination: M.A., 11½ gs.; B.D. 11½ gs.; LL.B., 13 gs.; B.L., 11½ gs.; Mus.Bac., 19 gs.; Mus.Doc., 15 gs.; Ph.D., 15 gs.; B.Sc., 13 gs.; D.Sc., 15 gs.; M.B., 37 gs.; M.D., 20 gs.; Ch.M., 20 gs.

HALLS OF RESIDENCE, ETC. For men: Cowan House, George Square (Warden: W. K. Smith, M.A.), accommodation for about 100 students, terms, £23: 10s. to £30 per term; Norway House, 37 Inverleith Place (Warden: Mrs. C. M. Bridge), accommodation for about 26 students, terms, £2: 5s. to £2: 10s. per week; University residence for Midwifery Students, Chalmers Street, terms, £2 to £2: 5s. per week. For women: five hostels at Craigmillar Park, East Suffolk Rd. (Warden: Miss E. E. Looker, B.A.), £63 for the three terms; Masson Hall, 31 and 32 George Square and Annexes (Warden: Mrs. Janet Veitch, M.A., Ph.D.); Muir Hall, 12 George Square (Warden: Miss Mary Bone, M.A.), £84 for the three terms; St. Leonard's House, Park Road (Warden: Miss M. Macdonald), accommodation for about 25 students, terms, £2: 5s. per week. The University Settlement (Warden: Miss A. M. Sinclair, M.A.) has study-bedrooms for ten students (5 men and 5 women) at Cameron House, Prestonfield, terms, £2: 2s. per week. For Indian Students: Blackford Mount, Mortonhall Rd. (Warden: Mrs. O. Stevens), accommodation for about 23 students. Six months' notice generally necessary.

APPOINTMENTS COMMITTEE. Secretary, Old College, The University.

DIRECTOR OF STUDENT WELFARE SERVICES: C. H. J. Deighton.

DIRECTOR OF PHYSICAL EDUCATION: Col. C. M. Usher, D.S.O., O.B.E.

GENERAL ADVISER OF WOMEN STUDENTS: Miss Florence E. Waldron, B.A., Old College.

There is a Franco-Scottish Society for advising and assisting French students in Scotland and Scottish students in France. It has local centres at Glas., Aberd. and Dundee.

EDINBURGH UNIV. CLUB OF LONDON. Secretary: Dr. Bruce Williamson, 40 Queen Anne Street, W.1.

UNIV. EXTENSION, ETC. There is an Adult Education Committee which arranges courses of lectures in the south-east of Scotland. The Univ. is now represented on the Advisory Committees for the management of the Tutorial Classes for adults instituted by the Edin. Educational Authority, in co-operation with the Edinburgh W.E.A. Summer Classes (4 weeks) for Teachers are held during vacation, the lecturers being drawn mainly from the Univ. staff. Certificates gained at the courses qualify for endorsement on teachers' certificates.

EXTRA-MURAL WORK. Classes conducted by the Edinburgh Workers' Educational Association, which meet in the University Buildings, had an enrolment of 529 men and 1219 women—total, 1748. A University Extra-mural Committee organizes Courses of Lectures in the south-east area of Scotland. Classes were held in 21 centres, attended by 1005 students.

OFFICIAL PUBLICATIONS. The *Calendar* (Sept.), 5s.; the *Prelim. and Degree Examn. Pprs.* (May and July), 5d. to 2s. a set (James Thin, 55 South Bridge). The *Students' Handbook* issued by the Students' Representative Council. *Facilities for advanced Study and Research* free on application.

HISTORIES OF THE UNIV.: Bower, Alexr., chiefly compiled from original papers and records, never before published, 3 vols., Edin., 1817-30; Dalzel, Andrew (ed. by D. Laing), with a Memoir of the Author (by C. Innes), 2 vols., Edin., 1862; Grant, Sir Alexr., *The Story of the Univ. during its first 300 years*, 2 vols., London, 1884; by various contributors, edited by Turner, A. Logan, 1883-1933, Edin., 1933.

THE YEAR 1946-47

BENEFACTIONS. Gift from Messrs. Alex. Cowan & Sons, Ltd., Penicuik, of £500 p.a. for five yrs., for a scholp. for research on esparto grass. Gift from Emeritus Prof. Charles McNeil of his books at Chalmers Street, to form the nucleus of a Departmental Library in Child Life and Health. Bequest by the late Mrs. Milborough Mary Mackay, Bath, of £1000 towards the establishment of a Charles Gordon Mackay Lectureship in Literature, Hist. and Philos. of Ancient Greece, and Greek Archæol. Bequest by the late Dr. W. F. Macarthur of the free income of the residue of his estate for a Postgraduate Lectureship in Medicine associated with his name. Further gift from the Combe Trust of £200 for the Dept. of Psychol., and £500 for apparatus and equipment; and a renewal of three Scholps. of £100 in Psychiatric Social Work. Gift from the Lord Nuffield Foundation of £1500 towards the Pilot Survey to be undertaken by the Univ. in connexion with the Third Statistical Account. Gift from Dr. E. C. Carter, Enfield, of £1000. Gift from Lady Lodge (in fulfilment of a wish of the late Sir Richard Lodge) of 250 volumes of historical works. Gift from the Catholic Univ. of America, Washington, D.C., of 185 vols. of their publications on Scholastic Literature and the Early Christian Fathers. Gift from Mrs. J. W. Ross, Dundee, of a model threshing machine. Gift from the trustees of the late Mr. Edward Clark, of the whole of the shares in the business of R. & R. Clark, Ltd., Printers. Bequest by the late Miss Catherine Auchinleck Logan, Edinburgh, of about £1400 for the foundation of a fund to be known as the Alexander Logan, Laureate of the Household, Scottish Poet, Bursary Fund. Gift from Miss Berta Wilson, Fairworp, Sussex, of letters, certificates and photographs belonging to the late Dr. Albert Wilson, and relating to his association with Lord Lister and others; also further photographs and a portrait, and her father's gold medal. Gift from Mr. G. Campbell Durward, Hove, Sussex, of ten Air Age World Maps, in memory of his wife. Further gift from the Rockefeller Foundation of £5000 for research in Neurosurgery, Neurol. and Psychiatry. Bequest by the late Robert Stewart MacDougall, M.A., D.Sc., LL.D., of £1000 (subject to legacy duty) for research on Asthma. Bequest by the late Mr. William Goodall Gibson, Forfar, of the capital of the residue of his means and estate (subject to a life interest), for clinical research in Therapeutics. Gift from Mrs. Dora Macnaughton of £2000 for a bursary in Physiol. Gift from Sir Montague Burton, of property in Manchester, as an endowment for a proposed Chair of International Relations. Gift from the Ministère de l'Éducation Nationale of the French Government of a collection of 196 Publications.

HONORARY DEGREES. *D.D.*—Rev. John Aitken Allan, Principal of the Theological Hall, Dunedin, on the occasion of the Centenary of the Presbyterian Church of New Zealand (*in absentia*); Rev. James Irvine Macnair, Livingstone Memorial, Blantyre; Rev. Joseph Muir, Minister-Emeritus of Newington South Church, Edinburgh; Rev. Oliver Russell, Minister of St. Stephen's Church, Edinburgh; Rev. Robert Henry Wishart Shepherd, Principal of Lovedale Institution, South Africa; Rev. James Pitt Watson, Prof. of Practical Theology, Trinity College, Glasgow. *LL.D.*—Sir Charles Galton Darwin, Director of the National Physical Laboratory since 1938, Tait Prof. of Natural Philosophy, Univ. of Edinburgh, 1923-36, Master of Christ's Coll., Cambridge, 1936-38; Prof. René David, Prof. in the Faculty of Law and Lectr. in Comparative Civil Law, Univ. of Paris; Thomas Johnstone Carlyle Gifford, Member of the University Court; James Methuen Graham, President of the Royal College of Surgeons, Edinburgh, Consulting Surgeon to the Royal Infirmary; James Irvine Orme Masson, Vice-Chancellor of the Univ. of

Sheffield; William Maxwell, Managing Director of Messrs. R. & R. Clark, Limited, Edinburgh; Prof. Otto Lous Mohr, Rector-Magnificus of the Univ. of Oslo; Edwin Muir, Poet and Essayist, Director of the British Institute, Prague; Miss Elizabeth Dunlop Small, lately Lady Superintendent of Nurses, Edinburgh Royal Infirmary; David Nichol Smith, Professor-Emeritus of English Lit., Univ. of Oxford; Robert Charles Wallace, Principal and Vice-Chancellor of Queen's Univ., Kingston, Ontario, Canada; John Wishart, President of the Educational Inst. of Scotland. *Mus.Doc.*—Marie Olivier Georges du Parc Poullain, Comte de Saint-Foix.

STUDENTS. Total: 6048; full-time: 4477; part-time: 1571; the total includes 1754 women and 234 postgraduates.

DEGREES. B.D., 5 (m.); M.A. (Ord.), 68 (m.), 121 (w.); M.A. (Hons.), 41 (m.), 45 (w.); B.Com., 20 (m.), 2 (w.); B.Ed., 15 (m.), 2 (w.); B.L., 21 (m.), 1 (w.); LL.B., 13 (m.), 1 (w.); B.Sc., Pure (Ord.), 11 (m.), 11 (w.), (Hons.), 20 (m.), 15 (w.); B.Sc. Engin. (Ord.), 13 (m.), Hons., 17 (m.); B.Sc. Agric. (Ord.), 13 (m.), 2 (w.), Hons., 1 (w.); B.Sc. Forestry (Ord.), 28 (m.), 1 (w.); B.Sc. Vet. Sc., 12 (m.); B.Sc. Mining (Hons.), 2 (m.); B.Sc. Tech. Chem. (Hons.), 1 (m.); D.Sc. Pure, 1 (m.), 2 (w.); D.Sc. Vet. Sc., 2 (m.); M.B., Ch.B., 107 (m.), 52 (w.); M.D., 23 (m.), 1 (w.); Mus.Bac., 2 (m.), 2 (w.); Ph.D. Arts, 5 (m.), 2 (w.); Ph.D. Science, 10 (m.), 1 (w.); Ph.D. Medicine, 3 (m.), 1 (w.); Ph.D. Divinity, 5 (m.); D.Litt., 2 (m.).

DIPLOMAS. D.P.H., 40 (m.), 2 (w.); D.I.H., 7 (m.); D.T.M. & H., 13 (m.); D.M.R., 6 (m.), 1 (w.); Sister Tutor Cert., 9 (w.); Dip. Educn., 23 (m.), 31 (w.); Dip. Social Study, 15 (w.); Dip. Agric. Sc., 8 (m.); Dip. Tech. Chemistry, 1 (m.); Dip. Act. Maths., 1 (m.); Dip. in Admin. Law and Practice, 30 (m.); Cert. Physical Prof., 20 (m.); Cert. Social Study, 42 (w.); Cert. in Psychiatric Social Work, 3 (w.).

UNIVERSITY OF GLASGOW

Founded 1451

CHANCELLOR—Sir JOHN BOYD ORR, M.D., D.Sc., LL.D., F.R.S.

VICE-CHANCELLOR AND PRINCIPAL—Sir HECTOR HETHERINGTON, LL.D.
Glas., Liv., St. And., Princeton, D.Litt. McGill, M.A.

RECTOR—Rt. Hon. WALTER ELLIOT ELLIOT, M.C., M.B., Ch.B., D.Sc.,
LL.D., F.R.S.

DEAN OF FACULTIES—Sir ROBERT MUIR, M.A., M.D., D.Sc., LL.D.,
D.C.L., F.R.S.

SECRETARY OF THE UNIV. COURT AND REGISTRAR—R. T. HUTCHESON,
M.A., Ph.D.

CLERK OF SENATE—Prof. C. J. FORDYCE, M.A. Glas. and Ox.

LIBRARIAN AND KEEPER OF HUNTERIAN BOOKS AND MSS.—W. R.
CUNNINGHAM, M.A., LL.D.

CLERK OF THE GENERAL COUNCIL—D. M. HUTCHISON, LL.B.

Telephone: Glasgow, Kelvin 2231.

TEACHING STAFF

Accountancy

Macdonald, I. W., M.A. Prof.
Davies, J. C. Asst.

Agriculture, v. *infra* West of
Scotland Coll. of Agr.

Anatomy

..... Reg. Prof.
Bacsich, P., M.D. Szeged. (Em-
bryol.) Lectr.
Wyburn, G. M., M.B., D.Sc. Lectr.
Connell, W. K., M.B.
(Temp.) Lectr.
Bond, G. E., M.B., B.S. Lond.
Lectr.

Arabic

Robson, Rev. J., D.D. St. And.,
M.A., D.Litt. Lectr.

Astronomy

Smart, W. M., M.A., D.Sc.,
F.R.A.S. Reg. Prof.
Tannahill, T. R., M.A., B.Sc.,
Ph.D. Lectr.
Sweet, P. A., M.A. Lectr.

Biochemistry, v. Med.—Pathol.
Biochem.

Botany

Walton, J., M.A. Camb., D.Sc.
Manc. Reg. Prof.

Lecturers

Williams, S., M.Sc. Manc., Ph.D.,
D.Sc.
Thomson, J., M.A., B.Sc., Ph.D.
Jones, S. G., D.Sc. Wales.
Bond, G., B.Sc. Lond., Ph.D.
Case, Isobel M., M.A., B.Sc., Ph.D.
Conway, Elsie, B.Sc., Ph.D.
Hutchinson, S. A., B.Sc., Ph.D.
Bristol.

Celtic

Matheson, A., M.A. Edin. Lectr.

Chemistry, v. also Physiol. Chem.

Cook, J. W., D.Sc., Ph.D. Lond.,
F.R.I.C., F.R.S. Reg. Prof.
Robertson, J. M., M.A., Ph.D.,
D.Sc., F.R.S. Gardiner Prof

Lecturers

Bell, J., Ph.D., D.Sc., F.R.I.C.
(Med. Students)

Mair, J. A., B.Sc., Ph.D.
 (Anal. Chem.).
 Chisholm, D., B.Sc., Ph.D.
 McCulloch, W. P., B.Sc.
 Gibson, D. T., M.Sc. Belf., Ph.D.
 Lond., D.Sc.
 Goodwin, T. H., B.Sc., Ph.D.
 Birm.
 Lewin, Christina T., B.Sc.
 Speakman, J. C., M.Sc., Ph.D.
 Sheff.
 Gunstone, F. D., B.Sc., Ph.D. Liv.
 Reed, R. I., B.Sc., Ph.D. Lond.
 Tucker, S. H., M.A. Ox., D.Sc.,
 Ph.D. Lond., F.R.I.C.
 (Org. Chem.).
 Buchanan, C., B.Sc., Ph.D.
 Brand, J. C. D., M.Sc., Ph.D.
 Lond.
 Kent, Andrew, M.A., B.Sc., Ph.D.
 Storrie, F. R., B.Sc., Ph.D.
 Loudon, J. D., Ph.D., D.Sc.
 Robertson, J., B.Sc.
 M'Alpine, Irene M., M.Sc., Ph.D.
 Manc.
 Wright, Robert, D.Sc. Belf., M.A.
 (Physical Chem.).
 Mitchell, Stotherd T. R. S., D.Sc.,
 Ph.D.
 Thomson, George, B.Sc., Ph.D.
 Assistants
 Somerville, A. R., B.Sc.
 Morrison, J. D., B.Sc.
 Schwarz, F., B.Sc. Tech. Manc.
 Graham, S. H., B.Sc.
 Ritchie, A. C., B.Sc.
 Watson, J. S., B.Sc.
 Waugh, J. L. T., B.Sc.

Chemistry, Metallurgical

Hay, R., B.Sc., Ph.D. Lectr.

Classics : Greek, v. also Philol.

Gomme, A. W., M.A. Camb.,
 F.B.A. Prof.

Lecturers

Carnegie, J., M.A. Aberd. and Ox.
 Luce, J. V., M.A. Dub. and Ox.

Classics : Latin, v. also Philol.

Fordyce, C. J., M.A. Glas. and Ox.
 (Humanity) Prof.

Lecturers

McGlynn, P., M.A., D.Litt.
 Way, J. A. H., B.A. Ox.
 Flower, Barbara, M.A. Ox.
 Bolton, J. D. P., B.A. Ox.
 Campbell, I. M., M.A. Ox. and
 Glas. (Comp. Philol.).

Divinity, v. also Hebrew

Riddell, Rev. J. G., M.A., D.D.
 Edin. Primarius Prof.
 Macgregor, Rev. G. H. C., M.A.
 St. And., B.D. Camb., D.D.
 Edin., D.Litt.
 (Bib. Crit.) Prof.
 Niven, Rev. W. D., D.D. Aberd.,
 M.A. (Church Hist.) Prof.

Economics, v. Pol. & Social Econ.

Education

Rusk, R. R., M.A., Ph.D. Jena
 (Temp.) Lectr.
 McLaren, V. M., M.A., Ed.B.
 Lectr.

Embryology, v. Anat.

Engineering, v. infra

English Language and Literature

Alexander, P., M.A. Reg. Prof.
 Girvan, R., M.A. (Eng. Lang.)
 Prof.
 Purser, J. W. R., B.A. Dub. Lectr.
 Livingstone, T. C., M.A. Lectr.
 Bryce, J. C., B.Litt. Ox., M.A.
 Lectr.
 Arnott, J. F., B.Litt. Ox., M.A.
 Lectr.
 Buchan, Hannah A., B.Litt. Ox.,
 M.A. Lectr.
 Braidwood, J., M.A.
 (Eng. Lang.) Asst.
 Morgan, E. G., M.A. Asst.

French

Boase, A. M., M.A. Ox., Ph.D.
 Camb. Prof.

Lecturers

- Anderson, N. C., M.A., L. ès L.
 Hackett, C. A., M.A., D. de l'U.
 Paris.
 Haggis, D., B.A.
 Classe, André, L. ès L. Paris,
 D.Litt.
 Jones, S., M.A.
 Rees, R., B.A. Wales.
 Cohn, N. C., B.A. Ox.
 Carr, J. L., B.A. Leeds, L. ès L.
 Paris
 Scarfe, F. H., M.Litt. Camb., M.A.
 Durh.

Assistants

- Saunders, H. R., M.A.
 Robertson, M. P. M., M.A.
 Guichemerre, R., L. ès L.
 Lacoste, S.
 Leyvraz, J., L. ès L.

Geography

- Stevens, A., M.A., B.Sc. Prof.
 Fairhurst, H., M.A. Liv., Ph.D.
 Lectr.
 Halstead, C. A., B.Sc. Lond. Lectr.
 Robertson, I. M. L., B.Sc. Asst.
 Hinchliffe, O., B.A. Leeds Asst.

Geology

- George, T. N., D.Sc. Wales, Ph.D.
 Camb Prof.
 Tyrrell, G. W., Ph.D., D.Sc. Lectr.
 Weir, J., M.A., Ph.D., D.Sc. Lectr.
 Moore, Leslie R., D.Sc., Ph.D.
 Brist. Lectr.
 Currie, Ethel D., B.Sc., Ph.D.,
 D Sc Lectr.
 Dollar, A. T. J., Ph.D. Camb.
 Lectr.
 King, B. C., M.Sc. Durh., Ph.D.
 Lond. Lectr.
 Holgate, N., M.Sc., Ph.D. Manc.
 Lectr.
 Latham, Mary H., M.A. Asst.
 Bennison, G. M., B.Sc. Durh.
 Asst.
 Boyd, D. M., B.Sc. Asst.

German

- Smith, H., M.A. St. And., Ph.D.
 Marb. William Jacks Prof.
 Clark, James M., M.A. Lond.,
 Ph.D. Heidelberg Lectr.
 Betteridge, H. T., B.A. Birm.,
 Ph.D. Lond. Lectr.
 Rodger, Gillian B. B., M.A. Asst.
 Guder, G., Ph.D. Edin. Asst.
 Wiznitzer, Beate, B.A. Camb.
 Asst

Hebrew and Semitic Langs.

- Weir, Rev. C. J. M., B.D. Edin.,
 D.Phil. Ox. Prof.
 Mauchline, Rev. J., M.A., B.D.
 (O.T. Lang. and Lit.) Prof.
 Anderson, H., M.A., B.D. Asst.

History, v. also Div., Law, Pol.
Econ.

- Browning, A., M.A. Glas. and Ox.,
 D.Litt. Prof.
 Mackie, J. D., C.B.E., M.C., M.A.
 Ox. (Scottish H.) Prof.

Lecturers

- Price, F. D., M.A. Ox., B.Litt. Ox.
 Stones, E. L. G., B.A. Ox., M.A.
 Wright, E., B.A. Durh., M.A. Vir-
 ginia.
 Corlett, J. F., B.A. Liv.
 Turner, A. C., M.A. Glas. and Ox.
 Pryde, G. S., M.A., Ph.D. St. And.
 (Scottish H.).
 Chrimes, S. B., M.A., Ph.D. Camb.
 (Const. H.).
 Chandaman, C., B.A. Lond. Asst.
 Adam, R. J., B.A. Ox. Asst.
 Walker, Jean, M.A. St. And.
 (Scottish H.) Asst.

Humanity, v. Classics

Italian

- Stevenson Prof.
 MacKinven, A. D., M.A. Lectr.
 More, Doris J., M.A. Asst.
 Giusti, Anna M. Asst.

Law, v. infra

Logic and Rhetoric

- Campbell, C. A., M.A. Prof.
 Lecturers
 Brown, G., M.A. Edin.
 Levett, Margaret J., M.A. Ox.
 Haydock, G. H., B.Litt. Ox.,
 Ph.D., M.A.
 Cousin, D. R., B.A. Ox.

Mathematics

- MacRobert, T. M., M.A., D.Sc.
 Prof.

Lecturers

- M'Arthur, N., M.A., B.Sc.
 Arthur, W., M.C., M.A. (Eng.
 Students)
 Robb, R. A., M.A., D.Sc., F.R.A.S.
 Gillespie, R. P., Ph.D. Camb.,
 M.A., B.Sc.
 Graham, T. S., Ph.D. Camb., M.A.
 Martin, D., M.A., B.Sc.
 Brown, W., M.A., B.Sc. (Temp.).
 Galbraith, Ruth D., B.Sc. Asst.
 Crumless, J., M.A. Asst.
 Hodge, J. L., M.A. Asst.
 Wilson, M. E. M., M.A. Asst.
 Macpherson, J. S., M.A., B.Sc.
 Asst.
 Donaldson, W. A., M.A. Asst.
 McKinnon, D., B.Sc. Asst.

*Medicine and Surgery, v. infra**Metallurgy, etc., v. infra* Royal
Tech. Coll.*Mining*

- Hibberd, G., Ph.D. Dixon Prof.

Music

- Bullock, E., C.V.O., D.Mus. Durh.
 Gardiner Prof.
 Woodham, R., B.A., D.Mus.
 Cramb Lectr.

*Naval Archit., including Marine
Engin., v. also infra* Royal
Tech. Coll.

- Robb, A. M., D.Sc.
 John Elder Prof.
 Livingstone, M. Asst.

Philology, Comp. (Classical)

- Campbell, I. M., M.A. Glas. and
 Ox. Lectr.

*Philosophy, Moral, v. also Logic
and Psychol.*

- MacLagan, W. G., M.A. Ox., Ph.D.
 Edin. Prof.
 Phillips, I. W., M.A. Lectr.
 Cassirer, H. W., Ph.D. Lectr.
 Dickie, J. S., M.A., B.Sc. Lectr.
 Grant, C., B.A. Ox. Asst.

Philosophy, Natural

- Dee, P. I., C.B.E., M.A. Camb.,
 F.Inst.P., F.R.S. Prof.
 Alty, T., D.Sc. Liv., Ph.D. Camb.,
 F.Inst.P. Cargill Prof.
 Houston, R. A., Ph.D. Heidelberg,
 F.Inst.P., D.Sc. (Physical
 Optics) Lectr.
 Cochrane, Charles, M.A., B.Sc.
 Lectr.
 M'Farlane, W., M.A., D.Sc.,
 F.Inst.P. Lectr.
 Gray, R. C., M.A., D.Sc. Lectr.
 Younger, A. J., M.A., B.Sc. Lectr.
 Sneddon, I. N., D.Sc., M.A. Glas.
 and Camb. Lectr.
 Curran, S. C., M.A., B.Sc., Ph.D.
 Glas. and Camb. Lectr.
 Atkinson, J. R., M.A. Camb.
 Lectr.

- Lenihan, J. M. A., M.Sc. Durh.,
 F.Inst.P. Lectr.
 Howatson, A. F., M.A. Lectr.
 Lewis, G. M., M.Sc. Wales Lectr.
 McNeill, J., M.A. Lectr.
 Green, G., M.A., D.Sc. Lectr.
 Cole, J. F. I., M.Sc. Belf. Asst.
 Giles, R., B.Sc. Asst.
 Lees, Christina F., M.A. Asst.
 Wilson, H. W., B.Sc. Asst.

Physiology

- Garry, R. C., M.B., D.Sc., F.R.C.P.,
 F.R.S. Reg. Prof.
 Munro, H. N., B.Sc., M.B. Lectr.
 Weir, J. B. V., M.A., B.Sc., M.B.
 Lectr.

Wright, N. C., M.A., D.Sc. Ox.,
Ph.D. Camb. (Domesticated
Animals) Hon. Lectr.

Campbell, F. W., M.B. Asst.
Robertson, J. M., M.A., Ph.D.,
D.Sc., F.R.S. Asst

Physiological Chem.

Davidson, J. N., M.D., D.Sc.
Gardiner Prof.
Munro, H. N., B.Sc., M.B. Lectr.

Political Economy

Macfie, A. L., LL.B., D.Litt. Prof.
Buyers, J. A., M.A.

(Econ. Hist.) Lectr.
Campbell, A. D., M.A. Lectr.
Leser, C. E. U., Ph.D. Zürich,
M.Sc. Lond. Lectr.
Bell, J. D. M., B.A. Lectr.
Baird, R., LL.B. Lectr.
Boyd, W., M.A., B.Sc., LL.D.,
D.Ph., D.Litt. W. Aust.

Lectr.
Strawhorn, J., M.A. Lectr.
Highet, J., M.A., D.Ph. Lectr.
Sleeman, J. F., M.A. St. And. Asst.
Cursiter, Helen G., M.A. Asst.
Gillespie, Sarah C., M.A. Asst.
Wightman, Anne, M.A. Asst.
Heard, A. O., M.A. Asst.

Political Science

Warrender, J. H., M.A. Ox. Lectr.

Psychology

Pickford, R. W., M.A., Ph.D.
Camb., D.Litt. Lectr.
Gardner, P. A. D., M.A., B.Sc.,
Ed.B., LL.B. Lectr.

Psychology, Industrial

Oakley, C. A., B.Sc., Ed.B. Lectr.

Russian

Birkett, G. A., M.A. Liv.
Sir William Weir Lectr.
Miller, J., M.A. Lectr.

Social Economics

Black, Duncan, M.A., Ph.D.
Lectr.

Cunnison, J., O.B.E., M.A. Lectr.

Spanish

Atkinson, W. C., M.A. Belf.
Stevenson Prof.
M'Clelland, Ivy L., M.A. Liv.
Lectr.
Metford, J. C. J., M.A. Liv. Lectr.
Cayrasso, J. B. Asst.

Theology, v. Divinity

Zoology

Yonge, C. M., D.Sc. Edin., F.R.S.
Reg. Prof.
Jepps, Margaret W., M.A. Camb.,
D.Sc. Lectr.
Parsons, C. W., T.D., M.A. Camb,
Lectr.
Miller, Agnes E., M.A. Lectr.
Lowenstein, O., Ph.D. Munich

Lectr.
Slack, H. D., B.Sc. Lond., Ph.D.
Edin. Lectr.

Downes, J. A., B.Sc. Lond.
(Entomol.) Lectr.

Brian, M. V., B.A. Camb. Lectr.
Robertson, J. D., Ph.D. Camb.,
B.Sc. Lectr.
Steedman, H. F., B.Sc., Ph.D.
Brist. Lectr.

Lawson, J. H. W., B.Sc. Lond.
Asst.

Walton, Joan D., B.Sc. Brist. Asst.
Parker, A. H., B.Sc. Birm. Asst.
Hunter, W. R., B.Sc. Asst.
Badcock, Ruth M., B.Sc. Liv. Asst.
Roberts, T. D. M., B.Sc. Lond.
Asst.

Engineering

v. also Naval Archit., Mining

Small, J., D.Sc., Ph.D.
(Theory and Practice of
Heat Engines)

Watt Prof.
Geyer, E. W., B.Sc., Ph.D. Lectr.
Cameron, E. R., B.Sc. Lectr.
Chalmers, T. M., B.Sc. Lectr.
Bruges, E. A., B.Sc. Asst.

Engin., Civil and Mech.

Cook, Gilbert, D.Sc. Manc., F.R.S.	
	Reg. Prof.
Brown, R. M., D.Sc., Ph.D.	Lectr.
Keown, J. E., B.Sc., Ph.D. (Drawing and Design)	Lectr.
Morrison, J. C., B.Sc., Ph.D.	Lectr.
Orr, J., B.Sc., Ph.D.	Lectr.
Paling, V. R., B.Sc.	Lectr.
Thom, A. S., B.Sc.	Lectr.
Morrison, D., B.Sc.	Lectr.
Bannatyne, W., B.Sc.	Asst.

Engineering, Electrical

Hague, B., D.Sc. Lond., Ph.D.	
	J. Watt Prof.
Scobie, J., B.Sc.	Lectr.
Small, A. J., B.Sc., Ph.D.	Lectr.
Parton, J. E., B.Sc., Ph.D. Birm.	Lectr.
Gordon, D. S., B.Sc. Edin.	Lectr.
Cruickshank, A. J. O., B.Sc. St. And.	Asst.
Sutherland, W. D., B.Sc. Edin.	Asst.

Engineering Production

Garvie, I., B.Sc.	Lectr.
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Law

Gibb, A. D., K.C., LL.B.	
	Reg. Prof.
France, K. R., M.B.E., LL.B., B.A. Ox.	Asst.
Baird-Smith, J. H., LL.B., B.A. Ox.	Asst.

Civil Law

Muirhead, J. S., D.S.O., M.C., T.D., D.L., B.A. Ox., LL.B.	Lectr.
Barclay, R. H., B.A., LL.B.	Asst.

Const. Law and Hist.

Philip, G., M.A., LL.B.	Lectr.
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Conveyancing

McLeish, D. A. S., LL.B.	Prof.
Aitken, A., M.A., LL.B.	Asst.
Donaldson, A. K., B.L.	Asst.

Evidence and Procedure

Macdonald, R., B.L. Edin.	Lectr.
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Internat. Law, Public, and Internat. Private Law

Nicol, R. M., LL.B.	Lectr.
Neil, J. C., LL.B.	Asst.

Jurisprudence, General

M'Intosh, H., M.C., LL.B.	Lectr.
Dickson, L. E., B.A. Camb., LL.B.	Asst.

Mercantile Law

Boyd, J., M.A. St. And., LL.B.	Prof.
Carruthers, J. D., LL.B.	Asst.
Wright, T. G., LL.B.	Asst.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Bacteriology

Browning, C. H., LL.D. St. And., M.D., D.P.H., F.R.S.	
	Gardiner Prof.
Kyles, W. B., M.B., Ch.B.	Lectr.
Lominski, I. R. W., M.D. Cracow	Lectr.

Dermatology

McLachlan, A. D., M.D.	
	M'Call Anderson Mem. Lectr.
Smith, J. Ferguson, M.A., M.D.	

	Lectr.
Smith, M. S., M.D.	Lectr.
Sommerville, J., M.B.	Lectr.
Carslaw, R. W., M.D.	Asst.
Cohn, F. D., M.D. Breslau	Asst.
Cormie, R. L., M.A., M.B. Edin.	Asst.

Fergusson, A. G., M.D.	Asst.
McKenna, W. B., M.D.	Asst.

Ear and Throat and Nose, Diseases of

Young, G., M.C., M.B., Ch.B., F.R.F.P.S.G.	Lectr.
Young, S., M.B., Ch.B.	Lectr.
Syme, W. S., M.C., M.B., Ch.B., F.R.F.P.S.G.	Lectr.

- Macartney, W. C., V.D., M.B. Lectr.
 Howie, T. O., M.B., F.R.F.P.S.G. Lectr.
 Connal, E. A. M., M.B. Lectr.
 Watson, R. J., M.C., M.B. Lectr.
 Christie, J. F., M.B., Ch.B., F.R.F.P.S.G. Private Asst.

Eye, Diseases of the

- Riddell, W. J. B., M.D., F.R.F.P.S. Tennent Prof.
 Michaelson, I. C., F.R.F.P.S.G. Asst.
 Wilson, Alison E., M.B., Ch.B., D.P.H. Brist. Asst.
 Fraser, J. D., M.B., Ch.B. Asst.

Forensic Medicine

- Glaister, J., D.Sc., M.D., F.R.F.P.S.G., J.P. Reg. Prof.
 Imrie, J. A., M.D., F.R.C.S.Ed. Asst.
 Rentoul, E., M.B., LL B. Asst

Infancy and Childhood, Dis. of

- Graham, S., M.D. Tor., F.R.F.P.S.G., F.R.C.P.Ed. Samson Gemmell Prof.
 Ford, F. J., M.D., Ch.B., F.R.F.P.S.G. Asst.
 Hutchison, J. H., O.B.E., M.D. Gow Lectr.
 White, M., M.A., M.B., Ch.B., F.R.F.P.S.G., F.R.C.S.Ed. (Surg. and Orthop.) Barclay Lectr.

Materia Medica, v. also Med., Clin.

- Alstead, S., M.D. Liv. Reg. Prof.
 Slessor, A., M.B., Ch.B., F.R.F.P.S.G. Lectr.
 Anderson, W. F., M.D., F.R.F.P.S.G. Lectr.
 Chambers, J. W., B.Sc., M.B., Ch B. Lectr.
 Lazarus, S., M.D. Lectr.
 Hebbert, F. J., M.B., Ch B. Asst.
 Parker, W. A., M.B., Ch.B. Asst.

- Jamieson, D., B.Sc., M.B. Asst.
 Rogen, A. S., M.D., F.R.F.P.S.G. Private Asst.

Medical Radiology

- Walker, J. Z., M.B. Lectr.
 Park, S. D. S., M.B. Lectr.

Medicine

- Davis, L. J., M.D. Edm., F.R.C.P. Lond and Ed., F.R.F.P.S. Muirhead Prof.
 Ferguson, J. W., M.B., Ch.B. Lectr.
 McFadzean, A. J. S., M.B. Lectr.
 Oastler, E. G., M.A., M.B., Ch.B. Ox. Asst.
 Brown, A., M.D. Asst.

Medicine, Clinical

Lecturers

- Crawford, A. Muir, M.D., F.R.F.P.S.G.
 Cruickshank, J. N., M.C., D.Sc., M.D., F.R.F.P.S.G., F.R.C.P. Lond.
 Adams, D. K., M.A., B.Sc., M.D.
 Snodgrass, W. R., M.A., B.Sc., M.D., F.R.C.P. Lond., F.R.F.P.S.G.
 Stevenson, D. S., M.B.E., M.B., Ch.B.
 Smith, David, M.D., F.R.F.P.S.G.
 Glen, A., M.C., M.D.
 Scott, A. M., M.D.

Medicine, Practice of

- McNee, J. W., D.S.O., D.Sc., M.D., F.R.C.P., F.R.F.P.S.G. Reg. Prof.
 Rennie, J. B., M.D., F.R.F.P.S.G. Lectr.
 Green, J., B.Sc., M.B., Ch.B. (Biochemistry) Lectr.
 Reid, J., M.D. Lectr.
 Hird, A. J., B.Sc., M.B. Lectr.
 Gaylor, J. B., M.A., B.Sc., M.B., Ch.B., F.R.F.P.S.G. Lectr.
 Scott, L. D. W., M.D., F.R.F.P.S.G. Asst.
 Fraser, T. N., M.D., F.R.F.P.S.G. Asst.

Midwifery

Lennie, R. A., T.D., M.D. Reg.Prof.
 Hurl, J. B., M.B., Ch.B. Asst.
 McLennan, H. R., M.D.,
 F.R.F.P.S.G. Asst.
 Stirling, H., M.B. Asst.
 Wotherspoon, R. J., M.B. Asst.

Obstetrics and Gynæcology

Anderson, D. F., M.D.,
 F.R.F.P.S.G., F.R.C.O.G.
 Muirhead Prof.
 Hewitt, J., M.B., Ch.B.,
 F.R.C.O.G. (Clin. G.) Lectr.
 Clement, W., M.B., Ch.B.,
 F.R.F.P.S.G. (Clin. G.) Lectr.
 M'Intyre, D., M.B.E., M.D.,
 F.R.C.S.Ed., F.R.F.P.S.G.,
 F.R.C.O.G.
 "Samaritan" Lectr.
 Barr, A., M.B., F.R.F.P.S.G.,
 F.R.C.O.G. Lectr.

Pathology

Cappell, D. F., M.D. Prof.
 Blacklock, J. W. S., M.D.,
 F.R.F.P.S.G.
 St. Mungo-Notman Prof.
 Anderson, J. R., B.Sc., M.B. St.
 And. Lectr.
 Hutchison, H. E., M.B., Ch.B.
 Lectr.
 Marshall, Alice J., M.B., Ch.B.
 Lectr.
 Dick, J. C., M.D. Lectr.
 Tompsett, S. L., Ph.D., D.Sc. Lectr.
 Davis, W. B., B.Sc., M.D., D.P.H.
 Belf. Lectr.
 Symington, T., B.Sc., M.B., Ch.B.
 Lectr.
 Taylor, W. A., B.Sc., M.B., Ch.B.
 Asst.
 Currie, A. R., B.Sc., M.B., Ch.B.
 Asst.
 Weir, W. P., M.B. Asst.
 Milne, J. A., M.B. Asst.
 Smith, G. B., M.B. St. And. Asst.
 Higginson, J., M.B. Dub. Asst.
 O'Hea, A. J., M.B. Asst.
 Calver, K. M., B.Sc., Ph.D. Asst.

Pathology of Diseases of Infancy and Childhood

Montgomery, G. L., T.D., Ph.D.
 St. And., M.D., F.R.F.P.S.G.
 Gardiner Lectr.

Pathological Biochemistry

Telfer, S. V., B.Sc., M.B., Ch.B.
 Lectr.
 Eaton, J. C., B.Sc., M.B., Ch.B.
 Lectr.
 Wilson, H. E. C., D.Sc., M.B.,
 Ch.B., F.R.F.P.S.G. Lectr.
Pediatrics, v. Infancy and Child-
hood, Dis. of

Psychiatry (Mental Diseases)

MacNiven, Angus, M.B., Ch.B.,
 D.P.M., D.P.M. Lond. Lectr.
 Mackenzie, I., M.B. Lectr.
 Sclare, I. M. (Psych. Med.)
 Mackintosh Lectr.
 Dick, A., M.C., M.B., Ch.B. Lectr.

*Psychological M., v. Psychiatry**Public Health*

Ferguson, T., M.D., D.Sc., D.P.H.
 Edin., F.R.C.P.Ed. Prof.
 Laidlaw, S. I. A., B.Sc., B.L.,
 M.D., D.P.H. Hon. Lectr.
 Mearns, A. G., B.Sc., M.D.,
 D.P.H. Lectr.
 Paterson, W., M.B., D.P.H. Lectr.
 Abbott, S. G., M.B.E., D.V.S.M.
 Lectr.
 Meiklejohn, A., M.D.
 (Indust. Health) Lectr.
 Rogan, J., M.D. Edin.
 (Indust. Med.) Lectr.

Surgery

Illingworth, C. F. W., C.B.E.,
 M.D., Ch.M. Edin.,
 F.R.C.S.Ed. Reg. Prof.
 Burton, J. A. G., M.C., M.B., Ch.B.,
 D.P.H. Camb., F.R.C.S.Ed.,
 F.R.F.P.S.G. St. Mungo Prof.
 Jamieson, R. A., M.B., Ch.B.
 Edin., F.R.C.S.Ed. Lectr.
 Murray, A. M., M.B., Ch.B.,
 F.R.C.S.Ed. Lectr.

Mackey, W. A., M.B., Ch.B.,
F.R.F.P.S.G., F.R.C.S.Ed.

Asst.

Orr, J. Leslie, M.B., Ch.B.,
F.R.F.P.S.G.

Asst.

Patrick, W., M.B., Ch.B.,
F.R.C.S.Ed., F.R.F.P.S.G.

St. Mungo Asst.

Goodall, A. L., M.D., D.P.H. Asst.

Surgery, Clinical

Lecturers

Davidson, N. G. W., O.B.E.,
F.R.C.S.Ed.

Dalziel, G., M.B., F.R.F.P.S.G.

Fleming, J. P., M.B., F.R.F.P.S.G.

Galbraith, W. W., M.B.,
F.R.F.P.S.G.

Newton, T. M., M.B.

Robertson, J. H., M.B.,
F.R.F.P.S.G.

Tennent, R., M.B.E., M.B.,
F.R.C.S.

Dunbar, J., M.B., Ch.B.,
F.R.F.P.S.G.

Hutton, A. J., M.B., Ch.B.,
F.R.F.P.S.G.

Swanson, G. C., M.B., Ch.B.

Clark, A. M., M.C., M.A., M.B.,
Ch.M., F.R.F.P.S.G.

Stevenson, G. H., O.B.E., M.C.,
M.B., Ch.B. Edin.,
F.R.C.S.Ed., D.P.H.

Mowat, G. T., M.B., Ch.B. Edin.

Laird, A. P., M.B., Ch.B.,
F.R.C.S.Ed., F.R.F.P.S.G.

Tuberculosis, Clinical

McLean, A., M.D., D.P.H. Lectr.
Foulis, M. A., M.B. Asst.

Baxter, H., M.D. Asst.

Dale, A., M.B. Asst.

Barclay, R. S., M.B. Asst.

Venereal Diseases

McCluskie, J. A. W., M.B., Ch.B.,
F.R.F.P.S.G. Lectr.

Robertson, J. G. M., M.B., Ch.B.
Lectr.

Dentistry

Aitchison, J., L.D.S., H.D.D.
Director.

Gibson, W., M.B., L.D.S. Lectr.
McNeill, C. K., L.D.S. Asst.

Gifford Lecturer in Nat. Theol.
(biennial)

.....

Alexander Robertson Lecturer (De-
fence of the Christian Re-
ligion—not oftener than once
in every 2 yrs.)

.....

Hastie Lecturer (Encouragement
of Theology—held for 3 yrs.)

.....

Stevenson Lecturer (Citizenship—
held for 5 yrs.)

1946—J. A. Mack, M.A.

Cramb Music Lecturer

1947—R. Woodham, B.A., D.Mus.

Sir William MacEwen Memorial
Lecturer (biennial)

.....

Gibson Lecturer (History of
Mathematics)

.....

David Murray Lecturer

1948—G. C. Cheshire, D.C.L.

Dalrymple Lecturer (Archæology)
Anne S. Robertson, M.A.

Frazer Lecturer (Social Anthro-
pology—Oxford, Cambridge,
Glasgow, Liverpool, in rota-
tion)

1947-48—At Cambridge

W. P. Ker Lecturer

1948—The Hon. H. Nicolson,
C.M.G.

Extra-mural Studies

Director and Joint Secy. for the
Univ. to the Glasgow Univ
Extra-mural Education Com-
mittee: Evans, W. S., M.A.,
Ph D.

ASSOCIATED COLLEGES, in which University courses are provided at Glasgow.

THE ROYAL TECHNICAL COLLEGE, *v. infra*.

THE WEST OF SCOTLAND COLLEGE OF AGRICULTURE. Principal, John Kirkwood, O.B.E., B.Sc.; *Agric.*, A. B. Smart, B.Sc. (Agr.); *Agric. Book-keeping*, A. B. Smart, B.Sc. (Agr.); *Agric. Econ.*, A. D. Campbell, M.A.; *Agric. Eng. and Surveying*, J. Malcolm, B.Sc.; C. Macquarie, B.Sc. (Agr.), Asst.; *Agric. Law*, C. Williamson, LL.B.; *Agric. Zool.*, D. S. MacLagan, B.Sc. (Agr.), B.Sc., Ph.D., D.Sc.; Suzanne Maxted, B.Sc., Asst.; *Bacteriol.*, J. F. Malcolm, D.Sc., Ph.D. Lond.; 5 Assts.; *Bee-keeping*, J. Struthers; *Bot.*, Prof. K. W. Braid, M.A. Camb., B.Sc. Aberd.; W. F. Burnett, M.A., B.Sc.; L. W. Poel, B.Sc.; *Chem.*, H. Nicol, B.Sc., M.Sc., Ph.D., F.R.I.C.; E. M. Melville, M.A., B.Sc., B.Sc. (Agr.); J. M. L. Tait, B.Sc.; A. J. McGregor, B.Sc. (Agr.); C. L. Whittles, M.A., Ph.D. Camb., Soil Chemist; *Dairying*, D. M. Smillie, B.Sc.; *Dairy School*, Director, Jas. Kirkwood; A. B. Duncan, Asst.; Catherine Drife; *Hortic.*, A. E. Livingston; *Plant Pathol.*, J. Grainger, B.Sc., Ph.D.; H. F. Dovaston, B.Sc., Ph.D., Asst.; D. F. Booth, B.Sc., M.Sc.; *Poultry School*, T. E. Whittle; L. S. Lyall, Asst.; Elizabeth S. P. Adam, Asst.; *Vet. Sc.*, Prof. J. R. McCall (Lectr.); *Economics*, J. A. Gilchrist, B.Sc.; *Animal Husbandry*, G. Dunlop, B.Sc. (Agric.), Ph.D.; W. J. A. Payne, B.A., M.A., Asst.; *Crop Husbandry*, J. Macfarlan, B.Sc. (Agr.), Advisory Officer; *Milk Utilization*, D. M. Smillie; Mrs. A. M. Cameron, B.Sc. (Agr.), Asst.; Veterinary Investigation Officer, A. L. Wilson; Provincial Director of *County and Extension Work*, A. F. R. Nisbet, M.A., B.Sc., Ph.D.; Regional Director, H. M. Young, M.B.E., and a Staff of Organizers, Lectrs. and Instructresses in Agric., Dairying, Hortic. and Poultry-keeping.

GENERAL INFORMATION, *v. also pp. 390 ff.*

Founded by a Papal Bull in 1451, after the model of Bologna, the Univ. was reconstituted by a Charter of King James VI. of Scotland in 1577. For early history see *Yearbook*, 1929.

The LIBRARY, founded in the 15th century, contains 255,000 vols., including 300 books printed before A.D. 1500. Among its important collections are the Ewing, distinguished for the value and variety of its Bibles; the Hamilton, rich in philosophical works; and the Ferguson, containing rare books on the history of chemistry. The HUNTERIAN MUSEUM, founded in 1783, contains most valuable MSS. and early printed books and pictures and important collections of coins, anatomical preparations, zoological and mineral specimens, etc. Large new departments with spacious LABORATORIES have been erected for Engin., Bot., Nat. Philos., Chem., Physiol., Anat., Path., Mat. Med., Forensic Med., Public Health and Zoology. There are BOTANICAL GARDENS and an OBSERVATORY. As Glasgow stands at the centre of the shipbuilding, engineering, mining and industrial area of Scotland, it offers unique opportunities for technical training. Three large general HOSPITALS are available for clinics, besides special institutions (including Consumption Sanatoria).

FACULTIES AND DEANS. Arts, Prof. C. J. Fordyce (Humanity); Science, Prof. W. M. Smart (Astronomy); Medicine, Prof. G. M. Wishart; Law, Prof. J. Boyd (Mercantile Law); Divinity, Prof. J. Mauchline (O.T. Lang. and Lit.); Engineering, Prof. J. Small (Heat Eng.). Depts. of Applied Science—Engineering (Civ., Elec., Mech., Mining, Naval Archit., Chem.), Applied Chem., Agric., Archit., Public Health, Pharmacy.

ADMISSION, v. Appendix I.

DEGREES, ETC., v. p. 391. Applications by Overseas students for remission of part of the class attendance for B.Sc. in branches other than Engineering will be considered sympathetically. *Diploma in Education*, 1 yr. course, for graduates (the first yr. of the Ed.B. course); D.P.H., D.I.H. (1 yr. course) for legally qualified med. practitioners. *Certificates of Proficiency in Engin. Science and in Mining Engin.*, 3 yrs.' courses, of which first yr. may be taken in Roy. Tech. Coll.; no prelim. examn.

For detailed information regarding POSTGRADUATE study and research in any Faculty, application should be made to the Dean. A Postgraduate Med. Asscn. organizes demonstrations for Med. Practitioners; fee for series, Nov. to May, 3 gs.; programme obtainable from the Secy., Postgraduate Med. Asscn., Dr. James Carslaw, 9 Woodside Terrace, Glasgow, C.3.

FEES (v. also Carnegie Trust, p. 394). Matriculation, 2½ gs. p.a. Inclusive tuition fees for M.A. (Ord.), 57 gs., (Hons.), 76 gs.; LL.B., 52 gs.; B.L., 42 gs. B.Sc. (Ord. Pure Science), 114 gs., (Hons. Pure Science, or Applied Science), 127 gs.; M.B., Ch.B., 225 gs. for 5 yrs. Combined M.A. and B.Sc., 150 gs. Examination: M.A., 11½ gs.; B.D., 11½ gs.; LL.B., 13 gs.; B.L., 11½ gs. B.Sc., 13 gs.; M.B., Ch.B., 37 gs.; Doctorates, 15 to 20 gs.

SCHOLARSHIPS. Graduates (v. also pp. 393-94): about 76 of from £30 to £280 p.a., most of them open only to graduates of Glasgow. There are also 5 Foundations for res. scholarships and studentships.

For undergraduates there are 480, varying in value from £10 to £50 or more p.a., chiefly in the Faculty of Arts, in addition to Bursaries of from £5 to £25, awarded by the Provincial Committee for the training of teachers.

Travelling for study or research is encouraged by: Bryce Mathematica. Fellowship (£280 p.a. for 4 yrs.), Faulds Fellowship (£200), J. R. K. Law Scholarship (£100 p.a. for 2 yrs.) for Applied Science tenable at an approved *Overseas University* or other scientific institution in *Canada, U.S.A. or France*.

RESIDENCE. Four Halls of Residence for men—the Maclay Hall and Strain Hall (Warden: G. P. Richardson, M.A.); the MacBrayne Hall (Warden: J. M. A. Lemhan, M.Sc.) and, for overseas students, Horselethill House (Warden: S. A. Hutchinson, B.Sc., Ph.D.); and one for women—Queen Margaret Hall (Warden: Mrs. Elsie Conway, B.Sc., Ph.D.) with several annexes. The average cost of residence in the Halls is £27: 10s. per term, with a reduction for those resident for three terms. Lodgings or board with private families with use of 2 rooms, generally obtainable in neighbourhood of the Univ., for from 50s. to 65s. per week. A few students' hostels or settlements, of limited accommodation, where the charges are lower, are run by private committees or bodies of students and graduates.

THE APPOINTMENTS COMMITTEE (for men and women). Secretary (J. Thomson, M.A., B.Sc., Ph.D.), Office of Adviser of Studies, The University.

SOCIETIES. Glasgow Univ. Club, London. Hon. Secys.—H. L. P. Myles, LL.B., 27 Abingdon St., London, S.W.1; L. G. Scoular, M.D., 48 Wimpole St., London, W.1. Glasgow Univ. Women Graduates' London Asscn. Hon. Secy.—Miss E. McMichael, M.A., 10 Lawn Road Flats, Lawn Road, London, N.W.3.

UNIVERSITY EXTENSION. An Extra-mural Education Committee, equally representative of the Univ. and working-class organizations, is prepared to supply classes, short courses, and single lectures to groups of students in Glasgow and the West of Scotland, so far as its resources will permit; a com-

pendium of classes and lectures for the session is obtainable from the Organizing Secy., W.E.A., 177 Hill Street, Garnethill, Glasgow, C.3. Fortnightly and occasional free public lectures by profs. and others during the winter session.

PUBLICATIONS. *Calendar*; *Glasgow Univ. Magazine*, weekly during winter session; *Examn. Papers*, Prelim. and Degree, 6d. per set; *Annual Handbook* for matriculated students; *Handbook* for Overseas students and graduates; *History of the University of Glasgow* (Coutts); *Roll of Graduates* (1726-1896) (Addison); *Matriculation Albums* (Addison).

THE YEAR 1946-47

BENEFACTIONS AND GIFTS. Hutcheson's Girls' Grammar School, £1000 for a postgraduate scholp. in Social Science. Dept. of Scientific and Industrial Research, a Synchrotron and £3000 towards a high-voltage generator. The late Prof. Main, £100 for a yearly prize in Ecclesiastical Hist. Distillers Company, Ltd., £1000 for 3 yrs. initially, for research in Microbiology. A. and J. Inglis, Ltd., Shipbuilders, £1000 for research in Naval Archit. The late Sir John McEwan, unpublished music MSS. and £200 for classifying them. Emeritus Prof. W. K. Hunter, endowment of a research fellowship in Medical Diseases of Children. J. and P. Coats, Ltd., research fellowship in Chem. or Physics, £300 for 2 yrs. and £50 supplement for expenses. Mr. Lewis Clapperton, pewter and old glass and £3000. The late Sir Henry Mechan, £30,000 for a Mechan Chair of Engineering, the subject to be varied according to circumstances. The G. G. Henderson Chemistry Laboratory from the Henderson Memorial Fund.

RESIGNATIONS. Dr. Janet S. F. Niven (Pathol.); Dr. G. F. Asprey (Bot.); W. F. Gunn (Clerk to Fac. of Med.); Dr. J. M. Hyslop (Maths.); Dr. D. Leitch (Geol.); Dr. H. W. Singer (Pol. Econ.); Dr. Vernon (Psychol.); Dr. I. Monie (Anat.); Dr. S. Alstead (Mat. Med.), subsequently appointed to the Chair of Materia Medica. Dr. T. S. Stevens (Chem.).

DEATHS. Dr. C. H. Phillips (Music); Emer. Prof. Main (Eccles. Hist.); J. W. Pirie (Comp. Philol.); Prof. Morris (Mat. Med.); B. H. Barrett (Geol.).

HONORARY DEGREES. D.D.—W. J. Baxter, A. T. Cadoux, A. A. Cowan, S. F. Hunter, J. Macleod, R. Niebuhr. LL.D.—Sir David W. Bone, F. G. Boudreau, H. R. Buchanan, G. W. O. Howe, The Rt. Hon. the Marquess of Linlithgow, T. J. Mackie, The Rt. Hon. the Viscount Bruce of Melbourne, B. D. Meritt, A. Meyer, E. A. Peers, W. Rennie, Sir Robert Robinson, R. F. Young, Baron Inverchapel of Loch Eck.

STUDENTS. Total: 5133; full-time: 4435; part-time: 698; the total includes 1397 women.

DEGREES CONFERRED. B.D., 7; M.A., 323; Ed.B., 16; B.L., 33; LL.B., 26; B.Sc., 282; M.B., Ch.B., 162; M.D., 28; D.Litt., 1; Ph.D., 14; D.Sc., 2; Ch.M., 1.

THE ROYAL TECHNICAL COLLEGE, GLASGOW

Founded 1796

[Affiliated to the University of Glasgow]

CHAIRMAN OF THE BOARD OF GOVERNORS—Sir JAMES W. FRENCH,
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TREASURER—J. S. CROFT.

REGISTRAR—WM. RUSSELL, Dip.Com.

TUTOR AND LIBRARIAN—W. G. BURRELL, M.A.

Telephone : Glasgow, Bell 2905-8.

TEACHING STAFF

Architecture and Building

Smith, Wm. J., M.C., F.S.A.,
F.R.I.B.A.

Prof. and Dir. of Arch.
Studies.

MacLean, A., B.A. Manc. Sr. Lectr.
Lecturers

Waugh, D. S. R., D.A. Glas.

Paterson, D. S., D.A. Glas.

Murray, J. E., D.A. Glas.

Rowell, J. R. C., D.A. Glas.

Brodie, Margaret B., B.Sc., D.A.
Glas.

Chemistry

Spring, F. S., Ph.D. Liv., D.Sc.
Manc. Freeland Prof.

Senior Lecturers

Hay, Prof. R. (Metall. C.).

Cranston, J. A., D.Sc., F.R.I.C.
(Phys. C.).

Hooper, I. V., B.Sc. Lond., Ph.D.,
F.R.I.C. (Org. C.).

Crawford, A. B., B.Sc., Ph.D.,
F.R.I.C. (Analyt. C.).

Lecturers

M'Lean, J., B.Sc., Ph.D., F.R.I.C.

Anderson, H. G. A., B.Sc.

Good, W., D.Sc. Zurich.

Alexander, W. A., B.Sc. Lond.,
F.R.I.C.

Syme, A. C., B.Sc., Ph.D.

Sharp, W., B.Sc., Ph.D.

Newbold, G. T., M.Sc., Ph.D.
Manc.

Elvidge, J. A., B.Sc., Ph.D.

Asst. Lectrs. and Demrs.

Golombok, E., B.Sc., Ph.D.

Hunter, Margaret J., B.Sc.

Laverie, J. M., B.Sc.

Christie, Margaret I., B.Sc.

Cumming, Eva B., B.Sc.

Chemistry, Technical

Cumming, W. M., O.B.E., D.Sc.

Young Prof.
Rumford, F., B.Sc. Lond., Ph.D.,
F.R.I.C. Sr. Lectr.

Lecturers

Mitchell, T. J., Ph.D., F.R.I.C.

Campbell, J. R., B.Sc., Ph.D.,
F.R.I.C.

Edwards, G. E., B.Sc., Ph.D.

Colour Chemistry and Dyeing

Giles, C. H., B.Sc., Ph.D. Leeds
Sr. Lectr.

Engineering, Civil and Mechanical

Thomson, A. S. T., D.Sc., Ph.D.
Orkney, J. C., B.Sc. Assoc. Prof.
Scott, A. W., B.Sc., Ph.D.
Assoc. Prof.

Lecturers in Charge

Hunter, W., B.Sc. Lond., Ph.D.
(Civil E.).
Sneeden, O., B.Sc., Ph.D. (Mech.
Eng.).

Senior Lectrs. and Research
Leaders

M'Broom, H. L., B.Sc., Ph.D.
Moir, C. M., B.Sc. Lond., Ph.D.
Ferguson, Wm., B.Sc. Lond.
Laird, A. M., B.Sc.

Senior Lectrs.

Garrick, J. A., B.Sc.
Kenedi, R. M., B.Sc.
McHutchison, W. B., B.Sc.
Frazer, W., B.Sc.
Stabler, G. V., B.Sc. Durh.
Gardiner, A. C., B.Sc.
Baxter, A. M., M.Sc. Camb.
Hendry, R., B.Sc.
Swinbanks, D. B., B.Sc. Lond.

Lecturers

Russell, R.
Ryder, J., B.Sc. Lond.
Davidson, W. R. S., B.Sc.
MacLaren, J. F. T., B.Sc.
Brown, J., B.Sc. Lond.
Chisholm, D., B.Sc.
Holden, H. S., B.Sc.
Linning, D. L., B.Sc.
Milne, J., B.Sc.
McWee, D.
Nelson, H. M., B.Sc.
Pattie, D. R., B.Sc.
Rorke, J., B.Sc.
Steele, M. C., B.Sc.
Tudhope, R. G., B.Sc.

Asst. Lectrs. and Demrs.

McKinlay, D. G., B.Sc.
Logie, A. V., B.Sc.
Mitchell, I. W., B.Sc.
Young, J., B.Sc.

Engineering, Electrical

Smith, S. Parker, C.B.E., D.Sc.
Durh. Prof.
Meade, F. E. Lectr. in Charge.

Senior Lectrs.

Shearer, G., B.Sc.
Fairley, E. S., B.Sc., Ph.D.

Lecturers

Farrell, J. F. E., B.Sc.
Paterson, W., B.Sc. Lond.
Martin, Wm. H., B.Sc.
Brownlee, T., B.Sc.

Asst. Lectrs. and Demrs.

Jackson, W. O., B.Sc.
MacLeod, Wm. E. I.

Engineering, Mining

Hibberd, G., Ph.D. Prof.

Senior Lectrs.

Flett, Wm. R., B.Sc. (Econ. Geol.).
Park, David W. (Mining).
Smith, Robert, B.Sc. Lectr.
Boyle, Wm. Asst. Lectr. & Demr.

Industrial Administration

Risk, J. M. S., B.Com.
Hd. of Dept.

Mathematics

Street, R. O., M.A. Camb., M.Sc.
Liv., F.R.A.S. Prof.
Lord, R. D., M.Sc. Lond.
Sr. Lectr.
Geddes, S., M.A., B.Sc. Lectr.
Williams, W. D., B.Sc. Wales
Lectr.
Fulton, J., M.A. Lectr.
Rothman, M., M.Sc. Lectr.

Metallurgy

[Prof.]

Hay, R., B.Sc., Ph.D., F.R.I.C.

Senior Lectrs.

Howat, D. D., B.Sc., Ph.D.
Taylor, J., M.Sc., Ph.D., Durh.

Lecturers		Hughes, J. H.	Lectr.
McIntosh, A. B., B.Sc., Ph.D.		<i>Pharmacy</i>	
Carter, P. T., B.Sc. Durh., Ph.D.		Todd, J. P., Ph.D.	Prof.
McLeod, J. M., B.Sc.		Lloyd, Blodwen, M.Sc. Wales,	
Towers, Helen, B.Sc., Ph.D.		Ph.D. (Biol. and Microbiol.)	
King, T. B., B.Sc.			Sr. Lectr.
Asst. Lectr. and Demr.		Todd, W. M., B.Sc. Aberd., D.Phil.	
Gilchrist, J. D., B.Sc.		Ox (Pharm. Chem.)	
<i>Natural Philosophy</i>			Sr. Lectr.
Rankin, J. S., B.Sc., Ph.D.		Rattray, G. (Pharmacognosy)	
Freeland Prof.			Sr. Lectr.
Macaulay, J. M., B.Sc., Ph.D.		Tompsett, S. L., B.Sc. Lond., D.Sc.,	
Sr. Lectr.		Ph.D. (Biochem. Analysis)	
Lecturers			Lectr.
Symon, F. J., B.Sc., Ph.D.		Gemmell, D. H. O.	Lectr.
Milne, E. R. M., M.A. Edin.		Campbell, J. G. C., B.Sc.	Lectr.
MacNeill, A. C. M., M.A., B.Sc.		Fish, F., B.Pharm. Lond.	Demr.
Bagnall, L., M.A.		Terry, C. S., B.Sc.	Demr.
Macdonald, A., M.A., B.Sc.		Provan, Margaret, B.Sc.	Demr.
McLaren, A. S., B.Sc.		Adam, Olive B., B.Sc. Aberd.	
Wylie, T. S.			Demr.
Preece, E. A., B.Eng.		Moore, Q., B.Sc., Ph.D.	Demr.
Asst. Lectrs. and Demrs		<i>Textile Manufacture</i>	
Erskine, Sarah H., M.A., B.Sc.		Taylor, E. G., B.Sc. Tech. Manc.	
Peskett, Jean M., B.Sc.			Supt. and Lectr.
<i>Naval Architecture</i>		Swales, J. N.	Lectr.
Bridge, I. C., B.Sc. Hd. of Dept.		Alexander, F. J.	Lectr.
		Marvin, A. W.	Lectr.

GENERAL INFORMATION

Anderson's College, founded in 1796, the College of Science and Arts (1823, the first "Mechanics' Institution") and the Atkinson Institution (1861) were amalgamated in 1886 under the title of the Glasgow and West of Scotland Technical College, which was changed in Feb. 1912 to the Royal Technical College. The College was affiliated to the Univ. of Glasgow in March 1913.

The present College building, completed in 1910, comprises over 7 acres of floor space, and cost, with equipment, £400,000. Qualifying courses are provided in the subjects named above for Degrees of the Univ. in Engin., Applied Chem., Pharmacy and Archit., and for the Diploma of the College in Civil, Mech., Elect., Chemical and Mining Engin., Naval Archit., Chem., Dyeing, Metallurgy, Building and Textile Manufacture. There are also Departments of Navigation and Bakery, as well as numerous evening classes in other subjects, mainly technological. The courses for the Diploma cover 3 yrs.; for the Associateship in any of the Diploma subjects, attendance during 4 years is required. The evening lecturers are not included in the above lists; some of their work is, however, of university and even postgraduate standard. Much research work, for the prosecution of which a development fund of about £100,000 has been raised, is carried on at the College. The Andersonian Library, so named to commemorate the founder of the College, Prof. John

Anderson, includes the library formed by him and the James Young collection of early alchemical, metallurgical and chemical books.

The Glasgow School of Architecture is maintained by the College and the Glasgow School of Art working in co-operation through a Joint Committee under whose authority its Diplomas (5 yrs.' course) are issued.

FEEs for tuition: Degree Courses—Engineering, 114 gs., payable in four instalments of 28½ gs.; Applied Chemistry, Pharmacy and Architecture, 127 gs., payable in two instalments of 38 gs. and two instalments of 25½ gs. Diploma Courses and other Non-Degree Courses—25 gs. for each year of the course.

PUBLICATIONS. *Calendar*; *Annual Report*; *Research Journal*.

THE YEAR 1946-47

RESEARCH JOURNAL. Publication is temporarily suspended.

UNIVERSITY EXTENSION. 2243 part-time students of 21 years of age or over were in organized classes. 432 tickets were issued for the courses in Astronomy.

STUDENTS. Full-time: preparing for a first Degree or Diploma, 822; undertaking advanced work, 77. Part-time: preparing for a first Degree or Diploma, 404; undertaking advanced work, 14; occasional students, 2656; taking courses not of a Univ. standard, 750.

DEGREES OBTAINED. Ph.D., 4; B.Sc. in Applied Science, 97; B.Sc. Lond., 6.

UNIVERSITY OF ST. ANDREWS

Founded 1411

CHANCELLOR AND PRESIDENT OF THE GENERAL COUNCIL—HIS GRACE
THE DUKE OF HAMILTON, P.C., G.C.V.O., A.F.C., LL.D.

VICE-CHANCELLOR AND PRINCIPAL OF THE UNIVERSITY AND OF THE
UNITED COLLEGE—Sir JAMES COLQUHOUN IRVINE, K.B.E., D.C.L.,
LL.D., D.Sc., Sc.D., Ph.D., F.R.S.

RECTOR AND PRESIDENT OF THE UNIVERSITY COURT—Sir GEORGE
CUNNINGHAM, K.C.S.I., K.C.I.E., C.S.I., O.B.E., LL.D.

SECRETARY AND REGISTRAR—DAVID J. B. RITCHIE, B.L.

QUÆSTOR AND FACTOR—JAMES DUNCAN.

LIBRARIAN—GEORGE H. BUSHNELL, F.L.A.

PRINCIPAL OF ST. MARY'S COLLEGE—Very Rev. GEORGE S. DUNCAN,
O.B.E., M.A., B.A., B.D., D.D., LL.D., D.Theol.

PRINCIPAL OF UNIVERSITY COLLEGE, DUNDEE—DOUGLAS NEIL
WIMBERLEY, C.B., D.S.O., M.C., LL.D..

Telephone : St. Andrews 35.

TEACHING STAFF

Anatomy

Walmsley, R., M.B., Ch.B., M.D.
Edin. Bute Prof.

Mulligan, J. H., M.B., Ch.B.
Aberd. (Regional A.) Lectr.

Smith, J. W., M.B., Ch.B. Lectr.

Ashurst, G. M., M.B., Ch.B. Lectr.†

Dow, D. R., M.D., F.R.C.P.Ed.,
D.P.H. Prof.*

..... (Regional A.) Lectr.*

MacDougall, J. D. B., M.B., Ch.B.,
M.D. Lectr.*

Wilson, Mrs. Susan H., M.B., Ch.B.
Asst.*

Mair, W. F., M.D. Edin. Asst.

Forrest, A. P. M., B.Sc., M.B.,
Ch.B. Asst.*†

Bryson, W., M.B., Ch.B. Asst.*†

Rankine, G., B.Sc., M.B., Ch.B.
Asst.†

Astronomy

Freundlich, E. F., Dr. Phil. Göt-
tingen, M.A. Lectr.

Siebarski, T., B.Sc. Asst.

Biochemistry v. Physiology

Biology, v. Bot. and Zool.

Botany

Graham, R. J. D., M.A., D.Sc.
Prof.†

Macdonald, J. A., B.Sc., Ph.D.,
D.Sc. Lectr.

Blackler, Margaret C. H., B.Sc.,
Ph.D. Liv. Lectr.

Poel, L. W., B.Sc. Liv. Lectr.†

Smith, Edith P., B.A. Ox., Ph.D.
Edin., D.Sc. Lectr.

Taylor, R. A., B.Sc., Ph.D., D.Sc.
Lectr.*

Chemistry

Read, J., M.A., Sc.D. Camb., Ph.D.
Zürich, F.R.S. (Dir. of Chem.
Res. Lab.) Prof.

Steele, Ettie S., M.A., B.Sc., Ph.D.
Lectr.

* At Dundee. † At St. Andrews and Dundee. ‡ Apptd. October 1948.

- Macdonald, J. Y., M.A. Ox., Ph.D. Lectr.
 Lond.
 Openshaw, H. T., M.A., D.Phil. Lectr.
 Ox. Purdie
 Lloyd, D. M. G., B.Sc. Brist. Lectr.
 Horrex, C., B.Sc., M.Sc., Ph.D. Lectr.
 Manc. Lectr.
 Battersby, A. R., B.Sc., M.Sc. Lectr.†
 Manc. Lectr.†
 Everett, D. H., B.Sc. Read., M.A., D.Phil. Ox. Prof.*
 Ross, J. D. M'B., M.B.E., M.A., D.Sc. Edin. (Phys. C) Prof.*
 James White Lectr.*
 Roger, R., B.Sc., Ph.D. Lectr.*
 Smith, Isobel A., Ph.D., D.Sc. Lectr.*
 Copp, J. L., B.Sc., M.A. Ox. Lectr.*
 Jack, Kathleen M., B.Sc., Ph.D. Lectr.*
 Edin.
 Iball, J., M.Sc., Ph.D., D.Sc. Lectr.*
 Wales Deeds Fellow
 New, N., B.Sc. Glas. Asst.*
- Classics* [Prof.]
 Rose, H. J., M.A. Ox., F.B.A. (Gk.)
 Austin, M. N., M.A. Ox. (Gk.) Lectr.
 Wright, T. E., M.A. Glas. and Ox. Prof.
 (Latin)
 Lorimer, W. L., M.A. Ox. (Latin) Reader.*
 Mitford, T. B., M.A. (Latin) Lectr.
 Brink, C. O., M.A. Ox., D.Phil. Berlin (Lat.) Lectr.
 Young, D. C. C., M.A. (Lat.) Lectr.*
 Davidson, J., M.A. (Latin) Lectr.
 Pollard, J. R. T., B.A., M.A. Lond. Asst.
- Dentistry, v. infra*
Divinity
 Duncan, G. S., O.B.E., M.A. Edin., B.A. Camb., B.D., D.D. Edin., LL.D., D.Theol. (Divinity and Bibl. Crt.) Prof.
- Baxter, J. H., M.A. Glas., B.D. Aberd., D.D. Glas., D.Litt., F.S.A. (Eccles. Hist.) Prof.
 Dickie, E. P., M.C., B.A. Ox., M.A., B.D. Edin., D.D. Prof.
 Baillie, D. M., M.A., D.D. (Systematic Theol.) Prof.
 Forrester, W. R., M.C., M.A., B.D., D.D. Edin. (Practical Theol. and Christian Ethics) Prof.
- Economics*
 Nisbet, J. W., M.A., LL.B. Glas. Prof.
 Henderson, J. B., M.A. Lectr.
 Cole, A. V., M.A. Lectr.
 Carstairs, A. M., M.A. Lectr.†
- Education*
 Skinner, A. F., M.A., B.Sc., Ph.D. Bell Prof.†
 Snodgrass, N. S., M.A. Glas. (Admin. of Schs., etc.) Lectr.†
- Engineering, Civil and Mechanical**
 Marshall, W. T., B.Sc. Lond., D.I.C., Ph.D. Lond. Prof.*
 Steel, G. S., M.A., B.Sc., Ph.D. (Civ. E. and Struct. Design) Lectr.*
 Hall, A. P., B.Sc., Ph.D. Lectr.*
 M'Ewan, D. H., B.Sc. Lectr.*
 Rowe, P. W., B.Sc. Brist. Lectr.*
 Zarek, J., B.Sc., Ph.D. Lectr.*
 Ballantyne, J. R., B.Sc. Lectr.*
 McNicoll, W., B.Sc. Lectr.*
- Engineering, Electrical**
 Prof.*
 Mackay, W. M., M.C., T.D., B.Sc. Glas. Lectr.*
- English Lang. and Lit.*
 Webster, A. Blyth, M.A. Edin., LL.D. Calif. (E. Lit.) Berry Prof.
 Oakden, J. P., M.A., Ph.D. Manc., D.Litt. Lectr.
 Logan, R. M., M.A. Edin. Lectr.
 Falconer, A. F., M.A., B.A., B.Litt. Lectr.*

* At Dundee. † At St. Andrews and Dundee. ‡ Apptd. October 1948.

Walker, W. A., M.A., B.A. Lectr.*
Beck, R. J., B.A., M.A. Ox. Lectr.

French Lang. and Lit.†

Johnston, R. C., M.A. Ox. and
Lond., D. de l'U. Stras. Prof.
Wilson, R. A., M.A., Ph.D. Lectr.
Austin, L. J., M.A. Melb., D. ès L.
Lectr.
Robson, Elizabeth A. D., M.A.
Lectr.

Alexander, I. W., M.A. Edin.
Lectr.*

Hackett, Winifred M., B.A. Ox.,
M.A. Ox. and Manc. Lectr.*

Laplace, Lucette L., L. ès L. Asst.
Anderson, Elizabeth R., M.A.
Edin. Asst.*

Fuzier, J. A. P., L. ès L. Demr.*†

Geography

Cumming, G. A., B.Sc., Ph.D.
Lectr.

Hobson, Peggie M., B.Sc. Lond.
Lectr.

Jones, S. J., M.A. Wales Lectr.*
..... Lectr.

Geology

Innes, D. E., M.C., M.A. Ox. Prof.†
Drever, H. I., B.Sc. Edin., Ph.D.
Camb. Lectr.

Patterson, E. M., B.Sc., M.Sc.
Belf. Lectr.

Currie, J., B.Sc. Asst.
Scott, J. F., B.Sc., Ph.D. Glas.
Lectr.*

Harry, W. T., B.Sc. Leeds Lectr.*

German

Carr, C. T., M.A. Manc., D.Litt.
Prof.

Hayens, K. C., M.A., D.Litt. Glas.
Reader.*

Wardale, W. L., M.A. Liv. Lectr.
Berneaud, Jean M., M.A. Edin.
Lectr.†

Brill, E. V. K., M.A. Lectr.*
Strachan, T., M.A. Lectr.*†

Hebrew and Oriental Langs.

Honeyman, A. M., B.D., Ph.D.,
M.A., B.Litt. Prof.

Dobbie, R., M.A. Glas., B.D.
Lond., M.Th. Lectr.

Dunlop, D. M., B.A. Ox. Lectr.†
History, Ancient

Brunt, P. A., B.A., M.A. Ox. Lectr.
History, Colonial

Macmillan, W. M., B.A., M.A. Ox.
Lectr. and Director of
Colonial Studies.

History, Economic
Brown, A. J. Y., M.A. Aberd.
Lectr.†

History, Mediæval
Adam, R. J., B.A. Ox. Lectr.†

History, Modern
Williams, J. W., M.A., B.Litt. Ox.
Prof.

Ogilvie, Sir Charles M. G., B.A.,
M.A. Ox. and Camb. Lectr.

Ketelbey, Doris M., M.A. Lectr.
Wainwright, F. T., B.A., Ph.D.
Read. Lectr.*

Seed, G., B.A., A.M. Mich., M.A.
Durh. Lectr.*

Lowson, Catherine W. S., M.A.
Asst.

Lockie, D. M., B.A. Ox. Asst.*

*History, Modern, American and
Colonial*

Gash, N., M.A., B.Litt. Ox. Lectr.

History, Scottish
Cant, R. G., B.A. Ox., M.A. Lectr.

Italian
..... Lectr.

*Law, Civil**
Hird, T. L., M.A., LL.B. Edin.
Lectr.*

*Law, Conveyancing**
Carlton, H. J., M.A., LL.B. Lectr.*

Coupar, A. J. W. R., D.F.M., B.L.
Asst.*†

*Law, Evidence and Procedure**
Bisset, Christian J., LL.B. Edin.,
M.A. Lectr.*

*Law—Forensic Medicine**
Dorward, W. F., B.Sc., M.B., Ch.B.
Lectr.*

* At Dundee. † At St. Andrews and Dundee. ‡ Apptd. October 1948.

*Law—Jurisprudence**

Chalmers, I. B. M., M.A., LL.B.
Aberd Lectr.*

*Law, Scots**

Bowman, B. C., LL.B. Edin., M.A.
Lectr.*

Mathematics, Pure and Applied

Turnbull, H. W., M.A. Ox. and
Camb., F.R.S. Reg. Prof.

Rutherford, D. E., Dr. Math. Am-
sterdam, M.A., B.Sc. (M and
Applied M.) Lectr.

Mitchell, A. R., B.Sc. Lectr.
Goddard, L. S., B.Sc. Syd.

(Statistics) Lectr.
Williamson, J. H., M.A. Edin. Lectr.

Mackay, J. P. H., M.A. Edin.
Lectr.†

Copson, E. T., M.A. Ox., D.Sc.
Edin. Prof.*

Jackson, J. M., B.Sc. Lond., Ph.D.
Camb. Lectr.*

Faulkner, T. E., M.A. Camb.
(Statistics) Lectr.*

Pack, D. C., B.A. Camb., M.A. Ox.
Lectr.*

Pack, Constance M., B.A. Ox.
Lectr.*

Wallace, A. H., M.A. Edin. Lectr.†
Vosper, A. G., B.A. Ox. Lectr.†

Mace, Margaret F., B.Sc. Asst.

*Medicine and Surgery, v. infra**Music*

Davie, C. T.
Lectr. and Master of Music.

*Natural History, v. Bot. & Zool.**Philosophy*

Wright, J. N., M.A. Durh. (Logic
and Metaphysics) Prof.

Henderson, G. P., B.A. Ox., M.A.
Lectr.

Lloyd, A. C., B.A. Ox. Lectr.
Mundle, C. W. K., B.A. Ox., M.A.

Lectr.*
Hirst, R. J., B.A. Ox. Lectr.*

Ferguson, H. H., M.A. (Psychol.)
Lectr.

Berlyne, D. E., B.A. (Psychol.)
Lectr.†

Smith, R. N. W., M.A. Ox. and
Glas. Asst.

Philosophy, Moral

Knox, T. M., M.A. Ox. Prof.
Kemp, J., B.A., M.A. Ox. Lectr.*

Physics

Allen, J. F., M.A. Tor. and Camb.,
Ph.D. Tor. Prof.

Jack, D., M.A., B.Sc. Edin., Ph.D.,
F.Inst.P. Reader.

Woolley, R. L., B.A. Camb. Lectr.
Barkla, H. M., M.A. Camb., B.Sc.

Edin. Lectr.
Danter, E., B.A. Ox. Lectr.

M'Call, D. M., B.Sc. Lectr.
Adamson, J., M.Sc. Manc. Lectr.

Preston, G. D., M.A. Camb., Sc.D.,
F.Inst.P. Harris Prof.*

Forrest, J., M.A., B.Sc. Glas.,
D.Sc. Lectr.*

Smith, Winifred J., B.Sc., Ph.D.
Lectr.*

Rogers, G. L., M.A., Ph.D. Camb.
Lectr.*

Baranowski, D., B.Sc. Lectr.*
Rushworth, F. A., B.Sc. Lond.

Asst.
Dunstan, W. J. T., B.A. Ox.

Asst.*
Rushworth, Gwendoline M., M.A.

Asst.*
Adam, J., B.Sc. Asst.*†

Physiology

Ritchie, A. E., M.A., B.Sc. Aberd.,
M.B., Ch.B. Edin.

Chandos Prof.
Hynd, Alex., M.A., D.Sc.

(Biochem.) Lectr.
Bayne, S., B.Sc., M.B., Ch.B.

Lectr.
Bell, G. H., B.Sc., M.D. Glas.,

F.R.F.P.S.G. Prof.*
Cook, R. P., B.Sc. Melb., Ph.D.

Camb., D.Sc., M.B., B.Chir.
(Biochem.) Lectr.*

* At Dundee.

† Apptd. October 1948.

- Andrew, B. L., B.Sc. Lond. Lectr.*
 Brown, Margaret B., B.Sc., Ph.D. Lectr.*
 Walker, S. A., B.Sc., M.B., Ch.B. Lectr.*
 Weston, F. M. Asst.
 Thomas, Margaret H., B.Sc. Asst.*
- Polish*
 Seliga, S., M.A., Ph.D. Lectr.
- Political Science*
 Wernham, A. G., M.A. Aberd., B.A. Ox. Lectr.
 Moodie, G. C., B.A. Ox., M.A. Lectr.
- Psychology*, v. Philosophy
Spanish [Lectr.†
 Woodward, L. J., M.A. Camb.
Theology, v. Divinity
Zoology
 Prof.
 Sutherland, Christina H., M.A., B.Sc. Aberd. Lectr.
 Burt, D. R. R., B.Sc., F.L.S. Lectr.
 Dodd, J. M., B.Sc. Liv. Lectr.
 Peacock, A. D., M.Sc., D.Sc. Prof.*
 Waterhouse, F. L., M.Sc. Manc. Lectr.*
 Sanderson, Ann R., B.Sc., Ph.D. Lectr.*
 Shelswell, Eileen M., B.Sc. Edin. Asst.†
 Hall, D. W., B.Sc. Asst.*†
- Medicine**
 (for subjects of first 2 yrs.—Anat., etc., v *supra*)
*Anæsthetics**
 Shearer, W. M., B.Sc., M.B., Ch.B., D.A. Lectr.*
 Muir, Margaret C., M.B., Ch.B. Asst.*
 Soutar, Margaret E., M.B., Ch.B. Asst.*
 Leng, Janet E., M.B., Ch.B., D.A. Asst.*
 Emmerson, J., M.B., Ch.B. Glas. Asst.*
- Ferguson, J. G., M.B., Ch. B. Asst.*
 Wheeler, H. Q. O. Asst.*
*Bacteriology**
 Tulloch, W. J., O.B.E., M.D., D.P.H. Prof.*
 Stiven, David, Ph.D., D.Sc. Lectr.*
 Brodie, J., M.B., Ch.B., M.D., D.P.H. Lectr.*
 MacPherson, A. D. H., M.B., Ch.B. Lectr.*†
 Shepherd, W., M.B., Ch.B. Lectr.*†
Dietetics
 Taylor, Elizabeth D. Asst.*
*Diseases of Children**
 Alexander, Prof. R. C. (v. Surg.) Lectr.*
 Thomson, J., M.B., Ch.B. Edin., F.R.C.P.Ed. Lectr.*
 Forfar, J. D., M.C., B.Sc., M.B., Ch.B. Lectr.*
*Diseases, Mental**
 Bell, A. A., M.B., Ch.B. Glas., F.R.F.P.S.G., D.P.M. Lectr.*
*Diseases, Throat, Nose and Ear**
 Mathers, R. P., M.D., Ch.B. Lectr.*
 Gibson, M. J., M.B., Ch.B., F.R.C.S.Ed. Lectr.*
 Henderson, G. I., M.B., Ch.B. Asst.*
*Diseases, Skin**
 Kinnear, J., M.D. Lectr.*
 Buchanan, T. K., M.B., Ch.B. Lectr.*
*Fevers**
 Burgess, W. L., O.B.E., M.D. Edin., D.T.M. and H., F.R.C.P.Ed., D.P.H. Reader.*
 Jamieson, W. M., M.D., D.P.H. Asst.*
*Forensic Medicine**
 Dorward, W. F., B.Sc., M.B., Ch.B. Lectr.*
 Conacher, Sheila G. F., M.B., Ch.B. Asst.*

* At Dundee.

† Apptd. October 1948.

*Genetics**

Smith, Edith P., B.A. Ox., Ph.D.
Edin. Instr.*

Midwifery and Gynæcology

Fairlie, Margaret, M.B., Ch.B.,
F.R.C.O.G. Prof.*
Chisholm, A. E., M.B., Ch.B. Edin.,
F.R.C.S.Ed., F.R.C.O.G.

Lectr.*
Herring, Agnes J., B.Sc., M.B.,
Ch.B., F.R.C.S.Ed. Lectr.*
Buchan, A., M.B., Ch.B. Aberd.

Lectr.*
Lawson, J. G., M.B., Ch.B. Asst.*

*Industrial Hygiene**

..... (Lectures in abeyance)
Instr.*

*Materia Medica**

Hunter, R. B., M.B., B.Ch. Edin.
Prof.*†
..... (Pharmacol.) Lectr.*
..... Asst.*

*Medicine**

Patrick, Adam, M.A., M.D. Lond.,
F.R.C.P., F.R.F.P.S.G. Prof.*
Adamson, D. G., M.B., Ch.B.
Lectr.*

*Medicine, Clinical**

Hunter, Prof. R. B. Lectr.*
Patrick, Prof. A. Lectr.*
Clark, J. G., M.B., Ch.B., M.D.

Lectr.*
Kirkland, A. A., M.B., Ch.B. Glas.,
F.R.F.P.S.G. Lectr.*

Morgan, J. M., M.C., M.D. Glas.,
F.R.C.P.Ed., D.P.H. Camb.
Lectr.*

Easton, I. D., O.B.E., M.B., Ch.B.
Edin., F.R.C.P.Ed. Lectr.*

Foggie, W. E., D.S.O., M.A., M.D.
Edin., F.R.C.P. Hon. Lectr.*

M'Gillivray, D. M., M.B., Ch.B.,
M.D., D.P.H. Lectr.*

Gyle, J. B., M.B., Ch.B. Edin.
Lectr.*

Medicine, History of

Gibson, H. J. C., M.A., M.D. Lectr.*†

* At Dundee.

*Midwifery, v. Gynæcology**Ophthalmology**

Scott, A. A. B., M.D., D.O.M.S.

Lectr.*
MacGillivray, A. M., M.D.,
D.O.M.S. Lectr.*

Mathers, R. M., M.B., Ch.B.,
D.O.M.S. Asst.*

Orthopædics

Smillie, I. S., O.B.E., M.B.,
Ch.B. Edin., F.R.C.S.Ed.,
F.R.F.P.S.G. Lectr.*

*Pathology**

Lendrum, A. C., M.A., B.Sc., M.D.
Glas. Prof.*

Tudhope, G. R., M.B., Ch.B.,
M.D., Ph.D., D.P.H. Lectr.*

Smith, G. H., M.B., Ch.B., M.D.
Lectr.*

Inglis, A., M.B., Ch.B. Lectr.*
Walker, W., M.A., M.B., Ch.B.

Lectr.*
Leslie, D. A., M.B., Ch.B. Aberd.

Lectr.*
Prain, J. H., M.B., Ch.B. Asst.*

Patrick, Marjorie Y., B.Sc. Asst.
Morgan, H. G., B.Sc., M.B., Ch.B.

Asst.
Maw, Mrs. Sheila, M.B., Ch.B.

Demr.*
Psychology, Medical

Uytman, J. D., M.B., Ch.B. Glas.
Lectr.*

*Public Health**

Burgess, W. L., C.B.E., M.B.,
Ch.B., M.D. Edin., D.P.H.,
D.T.M. and H., F.R.C.P.Ed.

(also Fevers) Reader.*
Jamieson, W. M., M.D., D.P.H.

Lectr.*
Dorward, W. F., B.Sc., M.B., Ch.B.

(Community Immuniza-
tion) Asst.*

Conacher, Sheila G. F., M.B.,
Ch.B.

(Community Immuniza-
tion) Asst.*

† Apptd. October 1948.

Cuthbert, J. A., M.B., Ch.B.,
D.P.H. Edin. (Child Welfare)
Asst.*

Fulton, Annie A., M.B., Ch.B.,
M.D., D.P.H.
(Child Welfare) Asst.*

Smith, Edith P., B.A. Ox., Ph.D
Edin. Asst.*

Dow, Agnes W., M.A., M.B., Ch.B.
Asst.*

Needham, J., F.R.I.B.A. Asst.*

Cole, A. V., M.A. Asst.*

*Radiology and Elec. Therap.**

Grant, G. M., M.B., Ch.B. Lectr.*

Sprunt, T., M.B., Ch.B. Edin.,
F.R.C.S Ed., D.M.R. Lectr.*

Swanson, W. C., M.B., Ch.B. Glas.
Lectr.*

*Surgery**

Alexander, R. C., C.B.E., M.A.,
M.B., Ch.B. Edin.,
F.R.C.S Ed. Prof.*

Grieve, J., B.Sc., M.B., Ch.B.
Lectr.*

Main, A. W. K., M.A., M.B., Ch.B.
Lectr.*

*Surgery, Clinical**

Alexander, Prof. R. C. Lectr.*

Brown, F. R., O.B.E., M.B., Ch.B.
Edin., F.R.C.S Ed. Lectr.*

Campbell, W. G., M.B., Ch.B.,
F.R.C.S., L.D.S. Lectr.*

Sturrock, G. M., M.B., Ch.B.
Edin., F.R.C.S Ed. Lectr.*

Soutar, S. F., M.B., Ch.B.,
F.R.C.S Ed. Lectr.*

Charleson, C., B.M., B.Ch. Ox.
Lectr.*

Kirkpatrick, E. R. G., M.B., Ch.M.
Syd. Lectr.*

Kinnear, J. S., M.B., Ch.B.,
F.R.C.S Ed. Lectr.*

*Tuberculosis**

McIntosh, D. G., M.B., Ch.B.,
D.P.H. Lectr.*

Smith, D. H., M.B., Ch.B. Lectr.*

*Venereal Diseases**

Keay, D. M., M.B., Ch.B., D.P.H.
Lectr.*

Finnigan, Mrs. Jeannie P., M.B.,
Ch.B. Asst.*

Dentistry

*Dental Surgery**

Hitchin, A. D., L.D.S., B.D.S.,
M.D.S. Durh. Prof.*

Dental Anæsthetics [Lectr.*

Emmerson, J., M.B., Ch.B. Glas.

Dental Mechanics and Pros- thetics

McGlynn, R. P., B.Sc., Ph.D.,
B.D.S. Lectr.*

Hutcheson, J. Tech. Instr.*
Elder, R. Tech. Instr.*

Dental Metallurgy [Lectr.*

Whyte, R., L.D.S., D.P.D., Ph.D.

Dental Surgery and Pathology and Dental Jurisprudence

Tattersall, W. R., L.D.S., H.D.D.
Lectr.*

Operative Dental Surgery

Fairley, J. M., B.D.S. Lectr.*

Gair, J. C., B.D.S. Lectr.*

Orthodontics

Munro, D., L.D.S. Lectr.*

Morris, H. I., L.D.S. (Dental
Diseases of Children) Lectr.*

Whyte, R., L.D.S., D.P.D., Ph.D.
(Dental Diagnosis) Asst.*

Public Dentistry

Finlayson, D. A., L.D.S. Asst.*†

Andrew Lang Lecturer

The Right Hon. Lord Macmillan.

Gifford Lecturer in Nat. Theol.

1947-48—Professor Emil Brunner.

* At Dundee.

† Apptd. October 1948.

GENERAL INFORMATION, v. also pp. 390 ff.

The University was founded in 1411. In 1747 St. Salvator's (1450) and St. Leonard's (1512) Colleges were united under the name "United College of St. Salvator and St. Leonard." St. Mary's College (1537) has, since 1579, been restricted to the teaching of Theology. University College, Dundee (1881), was affiliated to and made to form part of the University in 1897.

LIBRARY: Approx. 400,000 printed vols. (some of 15th and 16th centuries). MSS. include fine Persian specimens and large folio Antiphonarium. College Library at Dundee. **MUSEUMS** at St. Andrews—Anat., Anthropol., Ethnol., Geol., Mineral., Nat. Hist.; at Dundee—Geol., Med., Nat. Hist. **LABORATORIES** at St. Andrews—in all above depts. except Med., also Chem. (with special Research lab.), Marine, Physics, Astronomy (Observatory), Physiol., Bot. Garden. At Dundee—Anat., Bact., Chem., Embryol., Engin. (Elec. Hydraulic, Mech.), Mat. Med., Maths., Nat. Hist., Physics, Physiol., Pathol.

FACULTIES AND DEANS. Divinity, Prof. W. R. Forrester (Pract. Theol.); Arts, Prof. J. N. Wright (Philos.); Science, Prof. Graham (Bot.); Medicine, Prof. W. J. Tulloch (Bact.).

ADMISSION, v. Appendix I.

DEGREES, ETC., v. also pp. 391 ff. Courses for graduation in Arts and Science are given both in the United Coll., St. And., and in Univ. Coll., Dundee, some being given in both places, some—Greek, Hebrew, Moral Philos., Psychol., Pol. Econ., Pol. Science—only in St. And., some—Engineering—only in Dundee; Medical, after the first two yrs., and Dental solely, in Dundee, where facilities for clinical instruction are available. Here also are provided courses for graduation in Law (B.L.).

The M.A. Ordinary Degree Course (3 yrs.) includes a General and a Special examn. The former, which must be completed before proceeding to the Special, embraces at least 5 subjects, of which Latin or Greek must be one, another must be either Maths. or Philos., and at least two must be linguistic. *Senatus* can, on recommendation of the Fac. of Arts, allow another subject or subjects to be taken in lieu of Lat. or Greek. *Foreign students* may take Arabic or Hebrew in lieu of Latin or Greek. In the Special examn. two cognate subjects must be taken, the whole examn. being passed at one time. For the M.A. Honours Degree candidates take the General and Special Examns. above, and specialize in the same two cognate subjects for at least one additional year.

The B.Sc. Ordinary degree in Pure Science involves a 3 yrs.' course, embracing at least 4 subjects with a 1st examn. (4 subjects) and a 2nd (2 subjects); the Honours degree involves an additional yr.'s course, devoted exclusively to advanced study in the Hons. subject.

Dental Surgery. B.D.S. (5 yrs., of which not less than 3 at the Univ., the remaining 2 at a recognized Univ. or School); M.D.S. (1 yr. later by examn. and thesis); L.D.S. and D.P.D. (Diploma in Public Dentistry), *see* below.

DIPLOMAS. Education, for graduates who complete the first year of the Ed.B. course; D.P.H., 12 months; L.D.S., 4 yrs.; D.P.D., 5 mos. after obtaining registrable Dental qualification.

FEES (v. *also* Carnegie Trust, p. 394). Matriculation, £2:12:6 p.a. Inclusive tuition fees for M.A., £59:17s.; Hons. M.A., £79:16s.; B.D., £53:11s.; B.L., £44:2s.; B.Sc., £119:14s.; B.Sc. Hons., £133:7s.; B.Sc. (Engineering), £119:14s.; B.Sc. Hons. (Engineering), £119:14s.; M.B., Ch.B., £192; B.D.S., £140; L.D.S., £112. Combined Courses: M.A. and B.L., to be fixed; M.A. (Hons.) and B.L., to be fixed; M.A. and B.Sc., to be fixed; M.A.

and M.B., Ch.B., to be fixed; M.A., B.Sc. and M.B., Ch.B., to be fixed; B.Sc. and M.B., Ch.B., to be fixed; M.B., Ch.B. and L.D.S., to be fixed; D.P.D., £36:15s.; D.P.H., £48. The above do not include fees for cases of labour, or laboratory fees for use of apparatus, etc. Maximum fee for Research students, 21 gs. p.a. Degree fees for M.A., B.D. or B.L., 11½ gs.; B.Sc., 13 gs.; M.B., Ch.B., £38:17s.; B.D.S., £30:9s.; M.D. or Ch.M., 20 gs.; D.Litt., D.Sc., L.D.S. or M.D.S., 15 gs.; Ph.D., 15 gs.; D.P.H., 16 gs.; B.Phil. or B.Litt., 10 gs.; D.P.D., 5 gs. Dipl. in Educn., £4:14:6.

ADVISERS OF STUDENTS. At St. Andrews: in Arts, Prof. J. N. Wright; in Sci., Prof. R. J. D. Graham; in Med., Prof. R. Walmsley. At Dundee: in Arts, Dr. K. C. Hayens; in Sci., Prof. G. D. Preston; in Med., Prof. W. J. Tulloch; in Engineering, Prof. W. T. Marshall; in Dentistry, Prof. A. D. Hitchin; in Law,

RESIDENCE. University Hall (Warden: Miss V. C. Murray, M.A.), MacIntosh Hall (Warden: Miss E. S. Steele, B.Sc., Ph.D.) for women, at St. Andrews, £78 to £84 p.a., excl. of tuition fees. West Park House for women, Dundee (Warden: Miss W. M. Hackett), £75 p.a. St. Salvator's Hall, Dean's Court, Swallowgate, St. Regulus Hall, Kennedy Hall and Hepburn Hall (Senior Warden: J. G. Salmond, M.A., LL.D.) for men, at St. Andrews, £90 excl. of tuition fees. William Low Residence (Warden: Dr. Haig Macpherson) for Medical Students during clinical studies, £80 p.a. at Dundee.

SCHOLARSHIPS FOR GRADUATES, v. also pp. 393-94: 14, annual value about £1711. Guthrie (£135 p.a. for 4 yrs.), tenable at Oxford or Cambridge or (with special permission) at a foreign Univ.; Ramsay (£150 p.a. for 2 yrs.), Bruce (£150 p.a. for 2 yrs.) and Berry (£160 p.a. for 2 yrs.) may, with permission of United College, be tenable in another Univ. or Institution.

UNIVERSITY APPOINTMENTS BOARD. Secretary—A. G. Acaster, M.A.

An **ALUMNUS ASSOCIATION** was founded in 1926. **ST. ANDREWS UNIV. CLUB, LONDON**, founded 1904. Hon. Secy.—D. N. Lowe, M.A., B.Sc., c/o British Association, Burlington House, London, W.1. Alumnus Clubs also exist in Birmingham, Dundee, Edinburgh, Glasgow, Johannesburg, Leeds, Manchester, Toronto, Cupar.

PUBLICATIONS. *Calendar* (Sept.), 10s. 6d.; Univ. Coll. Dundee, *Calendar*; Students' Repve. Council's *College Echoes*; Alumnus Association's *Chronicle* (half-yearly).

THE YEAR 1946-47

BENEFACTIONS. Grant of up to £8800 by Dept. of Scientific and Industrial Research to the Dept. of Physics, Univ. Coll., Dundee, for research. Provision of £1200 p.a. by National Cash Register Co. for Research Fellowship at Univ. Coll., Dundee. Grant of £295 from Imperial Chemical Industries Ltd. to Dept. of Chemistry, United Coll., for expenditure on fine chemicals, etc. Residential Scholp. of £125 p.a. available for 4 yrs. provided by United Africa Co. Bequest of £100 to found Scott Lang Prize in Dept. of Astronomy. Various gifts of books, manuscripts, etc.

NEW BUILDINGS. Additional buildings for Residence Halls purchased.

NEW POSTS. Chair of Political Economy. Lectureship in Ancient History.

EXTRA-MURAL CLASSES. Courses of Lectures (Adult Educn.) were conducted in 16 centres: 2488 enrolments.

RESIGNATIONS. Prof. R. C. Garry (Physiol.); Prof. W. F. K. Wynne-Jones

(Chem.); Prof. R. M. Henry (Humanity); J. M. Hay (Mech. Eng.); P. Cumming (Civil Law); A. B. Mitchell (Econ.); W. H. Walsh (Philos.); J. H. Hunter (Tuberculosis); A. Macklin (Clin. Medicine).

DEATHS. Prof. Stuart McDonald (Pathol.); W. L. Kinnear (Diseases of Children).

HONORARY DEGREES. *D.D.*—Rev. T. Caldwell, Aberlady; Rev. Canon A. Fox, Treasurer of Westminster Abbey; Rev. D. Phillips, Principal of Bala Theological Coll., Wales; Rev. J. Robson, Lectr. in Arabic, Glasgow Univ.; Rev. D. Scott, Church of Scotland, Montreal. *LL.D.*—Sir Edward Appleton, Secretary, Department of Scientific and Industrial Research; Sir Lawrence Bragg, Cavendish Prof. of Experimental Physics, Cambridge; Sir Ernest Burdon, Deputy Chairman, British Red Cross Society; Sir Henry Dale, President, British Association for Advancement of Science; Sir Alexander Fleming, Prof. of Bacteriology, London University; Emeritus Prof. A. R. Fulton, former Principal of University College, Dundee; Thomas Jones, President of University College of Wales, Aberystwyth; C. L. Morgan, Dramatic Critic and Author; General Sir Richard O'Connor, Adjutant-General to the Forces; Sir Cosmo Parkinson, late Permanent Under-Secretary for the Colonies; R. E. Priestley, Principal and Vice-Chancellor of Birmingham University; A. L. F. Smith, late Rector of Edinburgh Academy; Field-Marshal Lord Wavell, Former Viceroy of India.

STUDENTS. Total: 1693; full-time: 1546; (research, 32; preparing for a first degree, 1509; diploma students, 5); part-time: 147; (research, 26; preparing for a first degree, 30; diploma, 24; occasional, 60); the total includes 641 women.

DEGREES. *B.D.*, 1; *M.A.*, 128; *B.L.*, 4; *Ph.D.*, 2; *D.Sc.*, 1; *B.Sc.*, 74; *M.D.*, 3; *M.B.*, *Ch.B.*, 65; *B.D.S.*, 1; *L.D.S.*, 5; Diploma in Education, 29; Hons. granted subsequent to Graduation: Arts, 33; Science, 27.

THE QUEEN'S UNIVERSITY OF BELFAST

Founded 1909

VISITOR—H.M. THE KING.

CHANCELLOR—The Most Honourable THE MARQUESS OF LONDONDERRY, K.G., P.C., M.V.O., D.C.L., LL.D.

PRO-CHANCELLORS—The Rt. Hon. LORD JUSTICE ANDREWS, B.A. Dub. ; Sir THOMAS HOUSTON, O.B.E., M.D.

PRESIDENT AND VICE-CHANCELLOR—Sir DAVID LINDSAY KEIR, M.A. Ox., Hon. LL.D. Glas.

REPRESENTATIVE IN PARLIAMENT—Emeritus Professor D. L. SAVORY, M.A.

REGISTRAR—GREGG WILSON, O.B.E., M.A., Ph.D., D.Sc.

HON. TREASURER—Major D. M. ANDERSON.

LIBRARIAN—J. J. GRANEK, M.A., Dip. Ed.

SECRETARY—G. R. COWIE, M.A., LL.B.

BURSAR—J. W. WALTON.

CHAIRMAN OF CONVOCATION—S. T. IRWIN, O.B.E., B.A., M.B., F.R.C.S.

Telephone : Belfast 21821.

Telegrams : University Belfast.

TEACHING STAFF

<i>Accounting, v. Economics</i>	<i>Archæology and Ancient History</i>

<i>Agriculture, v. infra</i>	<i>Astronomy</i>
	Lindsay, E. M., M.Sc., Ph.D. Lectr.
<i>Anatomy</i>	<i>Biochemistry</i>
Walmsley, T., M.D. Glas. Prof.	Harrison, D. C., D.Sc. Lond.,
Woodside, C. J. A., M.B., B.Ch., B.A.O., F.R.C.S.I. Lectr.	Ph.D. Camb.
Scott, J. H., M.D., B.Sc., L.D.S. Lectr.	"J. C. White" Prof.
Millen, J. W., M.D., B.Ch., B.A.O. Lectr.	B.A.O. "J. C. White" Lectr.
Morton, W. R. M., B.Sc., M.D. Lectr.	Malpress, F. H., B.A., Ph.D. Lectr.
Jackson, P. P., M.B. Demr.	Morrison, A. B., M.B. Asst.
Harrison, T. J., M.B. Demr.	<i>Botany</i>
M'Neill, J. C., M.A., L.D.S. (Dental A.) Demr.	Small, J., D.Sc. Lond. Prof.
	Lynn, Mary J., D.Sc. Lectr.
	Harrison, J. H., B.Sc. Lectr.

McCourt, G. H., B.Sc.	Demr.	Sutherland, Margaret B., M.A.,	
Kertland, Mary P. H., M.Sc.		B.Ed.	Lectr.
Hon. Curator of Herbarium.		Moulton, Jane, B.A.	Asst.

Celtic

Arthurs, J. B.	Lectr.
----------------	--------

Chemistry

Ubbelohde, A. R. J. P., M.A., D.Sc.	
Prof., Dean of Faculty.	
Pink, R. C., D.Sc.	Lectr.
Wilson, C. L., M.Sc., Ph.D.	Lectr.
Baillie, T. W. T., M.Sc.	Asst.
Menary, J. W., M.Sc.	Asst.
Wilson, G. A., M.Sc.	Asst.
Angus, A. B., B.Sc.	Asst.
McDonnell, F. R. M., B.Sc.	Asst.
Magee, R. J., B.Sc.	Asst.

Chemistry, Organic

Graham, Hugh, D.Sc.	Reader.
Bacon, R. G., B.Sc., Ph.D.	Lectr.

Classics : Greek

Sinclair, T. A., M.A. Camb.	Prof.
Phillips, E. D., M.A. Ox.	Lectr.

Classics : Latin

Boyd, M. J., M.A.	Prof.
Bower, E. W., M.A.	Lectr.
Duffin, P. B., M.A.	Asst.

*Dentistry, v. infra**Economics*

Isles, K. S., M.A., M.Sc.	
Prof., Dean of Faculty.	
Black, R. D. C., Ph.D., B.A.	Lectr.

Williams, B. R., M.A.	Lectr.
Williams, Mrs. Roma, B.Sc., B.A.	Asst.

Recognized Teachers in the Munic. Coll. of Technology	
Montgomery, J. K., B.Com.Sc. (Accounting).	
Wray, D. C., LL.D. (Coml. Law).	
Dunne, T. J., B.Com.Sc. (Econ., Geog., and Business Methods).	
Sueyras, M. (Spanish).	

Education

Nisbet, S. D., M.A., B.Ed.	Prof.
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Engineering, Civil

Naylor, A. H., M.Sc. Birm.	Prof.
Finnan, E. J., M.Sc.	Lectr.
Sidwell, E. H., M.Sc.	Lectr.
Godden, W. G., M.Sc.	Lectr.
Lodge, P. B., B.Sc.	Demr.

English Language

Belfour, A. O., M.A. Ox.	Reader.
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English Literature

Baxter, F. W., M.A. Ox.	
Prof., Dean of Faculty.	
Stewart, J. I. M., M.A.	Lectr.
Horne, C. J., M.A. Camb., B.Litt.	Lectr.

French and Romance Philology

Bisson, L. A., M.A., D.Litt., Dr. d'U. Bordeaux	Prof.
Godin, H. J. G., M.A. Lond., Ph.D.	Lectr.
Mane, R., L. ès L.	Asst.
Ressier, J.	Asst.
Cuthbert, Mrs. Kathleen, M.A.	Asst.
Delatour, Geneviève	Asst.

French, Mediæval

Pelan, Margaret MacL., D. de l'U. Stras., M.A., Ph.D.	Lectr.
Priestley, L., B.A.	Asst.

Geography

Evans, E. E., M.A., D.Sc.	Prof.
Sidebotham, Jean M., B.Sc.	Asst.

Geology

Charlesworth, J. K., D.Sc. Leeds, Ph.D. Bres.	Prof.
Hartley, J. J., M.Sc., M.Eng.	Lectr.
Wilson, H. E., B.Sc.	Demr.

German

Waterhouse, G., M.A. Camb., Litt.D. Dub.	Prof.
Gross, Eva, M.A.	Asst.

- Histology*
 Strangeways, Dorothy H., M.A., Ph.D. Lectr.
- History*
 Sayles, G. O., M.A., D Litt. Prof.
 Blake, J. W., M.A. Lectr.
 Beckett, J. C., M.A. Lectr.
 Gray, J. W., M.A. Lectr.
- History, Ancient, v. Archæol.*
- History, Economic, and Polit. Sc.*
 Lemberger, J., M.A. Ox. Lectr.
- Jurisprudence*
 Newark, F. H., M.A., B.C.L. Ox. Prof.
- Law*
 Montrose, J. L., LL.B. Lond. Prof.
 Williams, D. C., M.A., LL.B. Lectr.
- Logic and Metaphysics*
 Macbeath, A., M.A. Glas. Prof.
 Faris, J. A., B.A., B.Litt. Lectr.
- Mathematics*
 Pitt, H. R., B.A., Ph.D. Prof.
 Cooper, R., M.A., Ph.D. Lectr.
 Verblunsky, S., Ph.D. Lectr.
 Foster, F. G., B.A. Asst.
 Cade, R., M.Sc. Asst.
- Music*
 Keys, I., M.A., D.Mus., F.R.C.O. Lectr.
- Philosophy, Moral, and History of Philos.*
 Davie, G. E., M.A. Lectr.
- Philosophy, Scholastic*
 Ryan, Rt. Rev. Monsignor A. H., B.A., D.D., Ph.D. Reader.
 Daly, Rt. Rev. C. B., M.A., D.D. Lectr.
- Physics, Experimental*
 Emeléus, K. G., M.A., Ph.D. Camb. Prof.
 Armstrong, E. B., B.Sc., Ph.D. Lectr.
- Sloane, R. H., D.Sc. Lectr.*
 Assts. and Demrs.
 Deas, H. D., B.Sc.
 Love, H. M., B.Sc.
 Sayers, Dorothy N., B.Sc.
 Smith, G. A., B.Sc.
 West, Margaret G. J., B.Sc.
 White, O. M., B.Sc.
- Physics, Mathematical*
 Ewald, P. P., M.A., Ph.D. Göttingen Prof.
 Moyan, J. E. Lectr.
- Physiology*
 Dunville Prof.
 Shepherd, J. T., M.B., B.Ch. Lectr.
- Psychology*
 Hamilton, G. T. C., M.D. Demr.
 Rankin, J. C., M.D. Hon. Demr.
 McClatchey, M. M., M.B. Demr.
 Walby, L. A., M.B. Demr.
- Social Studies*
 Neill, D. G., B.A. Lectr.
- Spanish*
 Llubera, I. G., M.A., D.Litt. Mad. Prof.
 Anstee, M. Joan, B.A. Asst.
- Technology, v. infra*
- Zoology*
 Flynn, T. T., M.B.E., D.Sc. Syd. Prof.
 Williams, G., M.Sc. Liv. Jr. Lectr.
 Jones, Gwyneth M. D., B.Sc. Asst.
 Crowe, Delphine, B.Sc. Asst.
- Agriculture**
Agr. Botany
 Linehan, P. A., D.Sc., M.Agr. Lectr.
 Dales, Mrs. H., B.Sc., M.A. Asst.
 Lowe, T., B.Sc., B.Agr. Asst.
 Stewart, R. H., B.Sc., B.Agr. Asst.

Seaton, I. W., B.Sc.

(Plant Genetics) Lectr.
Wilson, E. V. B., B.Sc. Jr. Lectr.

Agr. Chemistry

Baskett, R. G., M.Sc.

Dean of Faculty, Prof.
Houston, J., D.Sc. Lectr.
Prentice, J. H., B.Sc., B.Agr.

Bolton, W., M.Sc.

McConaghy, S., B.Sc., B.Agr.
Asst.

McAllister, J. S. V., D.F.C.,
D.F.M., B.Agr. Asst.

Agr. Economics

Liversage, V., B.Sc. (Agric.), M.Sc.
(Econ.) Lectr.

Agr. Zoology

Chamberlain, R., B.A., Dip.Agr.
Lectr.

Cockbill, G. F., Ph.D. Asst.

Crop and Animal Husbandry

Morrison, J., B.Sc. Aberd. Prof.
Hale, R. W., B.Sc. Asst.

Dairy Bacteriology

Clerkin, P., B.Agr.Sc., B.Sc.
Lectr.

Knowles, N. R., M.Sc. Asst.
Murray, J. G., B.Agr. Asst.

Mycology and Plant Pathology

Muskett, A. E., D.Sc. Prof.
Colhoun, J., Ph.D., D.Sc., B.Agr.

Lectr.
Taylor, J. C., B.Sc., B.Agr. Lectr.

Calvert, E. L., B.Sc., M.Agr. Asst.
McCreary, C. W. R., M.Sc. Asst.

Veterinary Science

Lamont, H. G., D.Sc. Reader.
Kerr, W. R., Ph.D. Lectr.

Assts. and Demrs.

McNabb, T., B.Sc.
Pearson, J. K. L.
Luke, D., B.Sc.

Medicine

(for subjects of first 2 yrs.—Anat.,
etc., v. *supra*)

Bacteriology

Graham, N. C., M.C., M.B., B.Ch.,
B.A.O., D.P.H.

"J. C. White" Lectr.
Bartley, Eileen O., M.D., D.P.H.
Lectr.

Child Health

..... Prof.

Dermatology

McCaw, I. H., M.D. Lectr.

Health Services

Boyd, J., M.A., M.D., D.P.H.,
F.R.C.P.I. Lectr.

Infant Hygiene and Diseases of Children

Allen, F. M. B., M.D., F.R.C.P.
Lond. Lectr.

Infectious Diseases

Kane, F. F., M.D., D.P.H.,
F.R.C.P.I. Lectr.

Materia Med. and Therapeutics

Lewis, J. T., B.Sc., M.D., F.R.C.P.
Lond. Lectr.

Medical Jurisprudence

The Prof. of Pathology Lectr.

Medicine

Thomson, W. W. D., B.A. R.U.I.,
B.Sc., M.D., D.P.H., F.R.C.P.
Prof.

Frazer, Muriel J. L., B.A., M.D.,
F.R.C.S.I. Lectr.

Davison, J. C., M.D., B.Sc. Lectr.
Strain, R. W. M., M.D., B.Sc.

Lectr.
Matthews, J. S., M.D. Asst.

Marshall, R., M.D., F.R.C.P.
Clin. Lectr.

Turkington, S. J., M.D.
Clin. Lectr.

Magill, R. B., M.D. Clin. Lectr.
Allen, F. M. B., M.D., F.R.C.P.

Clin. Lectr.

Medicine, Psychological

Gardner, Dorothy G., M.B., D.P.H.
Lectr.

Medicine, Social and Preventive

Stevenson, A. C., B.Sc., M.D.,
D.P.H. Prof.

Midwifery and Gynæcology

MacAfee, C. H. G., M.B., B.Ch.,
B.A.O., F.R.C.S.Eng. and I.,
F.R.C.O.G. Prof.

McClure, H. I., B.Sc., M.B.,
F.R.C.S.Ed. Lectr.

Holmes, T. S., M.B., F.R.C.S.
Clin. Lectr.

Greer, H. L. H., M.B., F.R.C.S.Ed.
Clin. Lectr.

Lowry, H., M.B., F.R.C.S.Ed.
Clin. Lectr.

Dempsey, A., M.B. Clin. Lectr.

Ophthalmology

Wheeler, J. R., M.B., B.Ch.,
B.A.O., D.L.O., D.O.M.S.,
F.R.C.S.Ed. Lectr.

3 Clinical Lectrs.

Otorhinolaryngology

MacLaughlin, F. A., M.B., F.R.C.S.
Lectr.

Pathology

Biggart, J. H., D.Sc., M.D.
Director of Inst., Dean of
Fac., Musgrave Prof.

Morison, J. E., B.Sc., M.D. Lectr.

O'Neill, A., M.B. Asst.

Neely, R. A., M.B. Demr.

Flewett, T., M.B. Demr.

Pharmacology

Mayrs, E. B. C., M.D., D.P.H.
Prof.

Public Health (Administration)

Barron, S., D.P.H. Lectr.

Public Health (Chemistry)

Blair, E. Maude McV., M.Sc.,
Ph.D. Lectr.

Surgery

Rodgers, H. W., O.B.E., F.R.C.S.
Prof.

Wright, P. P., M.B., F.R.C.S.Ed.
Clin. Lectr.

Hall, H. P., M.B., M.Ch.
Clin. Lectr.

Loughridge, J. S., B.Sc., M.D.,
F.R.C.S. Clin. Lectr.

McMechan, E. W., M.B., F.R.C.S.
Clin. Lectr.

Surgery, Oper., and Applied Anat.

Malcolm, H. P., M.C., M.Ch. Lectr.

Tuberculosis

Clarke, B. R., M.D. Lectr.

Vaccination

Armstrong, S. R., O.B.E., M.B.,
B.Ch., B.A.O. Teacher.

Dentistry

Stoy, P. J., B.D.S. Prof.

Hunter, W. M., L.D.S. Edin.
(Metallurgy) Lectr.

Elwood, H., L.D.S. Edin. and
Penn., D.D.S. (Mechanics)
Lectr.

Swan, W. M., L.D.S. (Surgery)
Lectr.

McKeag, H. T. A., B.A., B.D.S.
Dub. (Orthod.) Lectr.

Geddes, S., M.B., B.Ch., B.A.O.
(Anæsthetics) Lectr.

Montgomery, F. P., M.C., M.B.,
F.F.R., D.M.R.R. (Radiol.)
Lectr.

Lyons, J., L.D.S.
(Mat. Med.) Lectr.

Sloan, R. S. L., B.D.S.
(Clin. D. Surg.) Lectr.

and Tutor.

Technology

(v. also Agr. and Engin., Civil)

Extra-mural Staff (Hon.), being
Profs. and Lectrs. at the
Munic. Coll. of Tech.

Accounting

Rae, J. F. C., M.A. Lectr.

<i>Architecture</i>		<i>Mathematics (Applied)</i>	
Beaumont, I.	Prof.	Gillies, J. F., Ph.D.	Lectr.
<i>Bleaching and Dyeing</i>		<i>Mechanical Engineering</i>	
Ervine, W. D., B.Sc.	Lectr.	Warnock, F. V., B.Sc., Ph.D.	
Gee, B. C., B.Sc.	Lectr.		Prof.
<i>Chemical Technology</i>		Craig, F. V.	Lectr.
Bell, F., Ph.D., D.Sc., F.R.I.C.		McBride, J., B.Sc.	Lectr.
	Prof.	McMullan, H. C., B.Sc.	Lectr.
Barry, Ruth J. W., M.Sc.	Lectr.	Newell, D. G., B.Sc.	Lectr.
Hickson, W. S. E., M.A., M.Sc.		Taggart, R.	Lectr.
	Lectr.	<i>Pharmacy and Pharmacognosy</i>	
Hughes, Kathleen R., B.A.	Lectr.	Harper, N. J., B.Sc.	Lectr.
Porter, J. W.	Lectr.	Young, C. W.	Lectr.
<i>Economic History</i>		<i>Physiology</i>	
Armstrong, D. L., B.Com.Sc.		McLeod, W. J., M.B., B.Ch.,	
	Lectr.	B.A.O., D.P.H.	Lectr.
<i>Electrical Engineering and Physics</i>		<i>Practical Spinning</i>	
Burns, P. L., B.Sc.		Pringle, A. V.	Lectr.
	(Elec. E.) Prof.	<i>Practical Weaving and Design</i>	
Allen, T. P., M.Sc.		Silcock, M.	Lectr.
	Adviser of Studies and Lectr.	<i>Textile Industries</i>	
Bromley, A. A., M.Sc.	Lectr.	Dorman, H., M.Sc.	Lectr.
Crowley, T. A., B.Sc.	Lectr.	<i>Zoology</i>	
Davies, A. L., M.Sc.	Lectr.	Cowan, Mrs. Patricia M., M.Sc.	
Fitton, J., M.Sc.	Lectr.		Lectr.
McBride, J. M. W., B.Sc.	Lectr.	McKibben, W. R., B.Sc.	Lectr.
<i>Mathematics</i>		<i>Extra-mural Studies</i>	
Griffith, L., M.A., B.Sc. (Eng.)		Semple, R. H., M.A.	
	Lectr.		Lectr. and Director.
O'Neill, F. R., B.A.	Lectr.		

RECOGNIZED COLLEGES AND TEACHERS

COLLEGE OF TECHNOLOGY, BELFAST, v. *supra*—Economics and Tech. The complete course for the B.Sc. in Engineering, Textile Technology, Naval Architecture, Pharmaceutics and Chemical Technology, may be taken at this college. Dean : Prof. K. G. Emel  us.

THE PRESBYTERIAN COLLEGE, BELFAST. The complete course for the B.D. may be taken at this college. Dean : Prof. T. A. Sinclair.

GENERAL INFORMATION

Queen's College, incorporated in 1849, was dissolved in 1909 on the constitution of the Queen's University of Belfast.

LIBRARY, 200,000 vols. INSTITUTE OF PATHOLOGY : Pathol. and Bacteriol.

USEUMS : Class. Archæol., Nat. Hist., Medical, Materia Medica. LABORATORIES : Chemistry (" Donald Currie "), Engineering (" Harland "), Physiology (" Jaffé "), Bio-Chemistry and Bacteriology (" White "), Physics, Anat., Bot., eol., Pharm., Zool., Agric. HOSPITALS available for Clinics : 3 general, 10 special (Fever, Maternity, Women, Children, Ophth., Eye, Ear and Throat, consumption, Lunacy, Skin, Nervous Diseases).

FACULTIES AND DEANS. Arts (including Music), Prof. F. W. Baxter ; Science (including Civil Engin.), Prof. A. R. J. P. Ubbelohde, M.A., D.Sc. ; Law, Prof. L. Montrose ; Medicine (including Dentistry), Prof. J. H. Biggart ; Economics, Prof. K. S. Isles ; Applied Science and Technology, Prof. K. G. meléus ; Agriculture, Prof. R. G. Baskett ; Theology, Prof. T. A. Sinclair.

ADMISSION. See Appendix I.

DEGREE COURSES. 3 yrs.—B.A., B.Sc., B.Sc. in Mech. and Elec. Engin., pharmacutics, or Textile Tech., LL.B., B.Sc. (Econ.) ; 4 yrs.—B.Agr., Civil eng. ; 6 yrs. (of which 2 may be in other approved Univs. or Med. Schools)—.B., B.Ch., B.A.O., B.D.S. ; 2 yrs.—B.D. course for graduates of this or some other approved Univ. ; B.Ed. (including 1 yr. Diploma Course) course for graduates of this or some other approved Univ.

The courses in Elec. and Mech. Engin. are taken in the College of Technology ; 3 yrs.' day or 5 yrs.' evening classes in the College qualify for B.Sc. in Applied Science and Technology and for the B.Sc. (Econ.). Evening classes in subject do not qualify for the B.Sc. or B.Sc. (Econ.) unless the candidate has concurrent day-time employment in some technical or commercial branch of the same subject.

Diplomas. Educn. (for grads.), 1 yr. full-time or 3 yrs. part-time ; Public health (for grads. in Med.), 1 yr. ; Lic. in Dent. Surg., 5 yrs. ; Dipl. in Psych. ed. (for grads. in Med.), 1 yr. ; Dipl. Soc. Studies, 2 yrs.

EX-SERVICE STUDENTS. Students who have been engaged on war service may be excused attendance at the Univ. up to a maximum of four terms, provided that to qualify the student for a primary degree the time spent at the Univ., together with the time spent on war service, shall amount to not less than 2 yrs. and 9 mos. Concessions vary in the different Faculties, and students wishing to obtain them should apply to the Deans of Faculties concerned.

HIGHER DEGREES. The M.A. may be taken by a B.A. 1 yr. after graduation (examn. or thesis or independent research). The (1) D.Lit. and (2) LL.D. are conferred on grads. of this Univ. distinguished in (1) letters, or in literary, philos. or hist. research, or (2) Law, or in legal or hist. research ; they may also be obtained by thesis or published works. The M.Sc. is open to a B.Sc. of the Univ. and grads. of other Univs. holding a degree of similar rank not less than 1 yr. after graduation (thesis or independent research). The D.Sc. is open to grads. of this Univ. 3 yrs. after graduation in any faculty. It is conferred on research or scientific work in relation to Science pure or applied, or for distinction in Science, Engin., or other practical application of Science. The B.Sc. (Econ.) is open to a B.Sc. (Econ.) of the Univ., and to grads. of other Univs. holding a degree of similar rank not less than 1 yr. after graduation (thesis or independent research). The D.Sc. (Econ.) is open to grads. of the Univ. 3 yrs. after graduation in any Faculty. The M.D., M.Ch. and M.A.O. are open to grads. in Med. of 3 yrs.' (if also grads. in Arts or Science, 2 yrs.' standing) by examn. or thesis. The M.Agr. may be conferred on a B.Agr. of the Univ. or on graduates of other Univs. who hold equivalent degrees after 2 yrs. for a thesis or independent research. The D.D. is open to grads. in divinity of the Univ. of at least 6 yrs.' standing. As regards Ph.D. see p. 15.

FEES. Enrolment (annual), £4. (Except in the cases of Final-Year Medical students and grads. studying for higher degrees when the annual enrolment fee is £1: 10s.) Class fees, annual (inclusive)—Arts, 15 gs.; Engineering, 22 gs.; B.Sc. (Econ.), 15 gs.; M.B., B.Ch., B.Sc. (App. Sc.), B.A.O., 25 gs.; B.Sc., or B.Agr., 22 gs.; Dipl. Educn. (2 yrs.), 12 gs. for course; LL.B., 17 gs.

SCHOLARSHIPS. *Entrance Scholps.*—About 28 tenable for 3 or 4 yrs., aggregate annual value £1100; 8 tenable for 1 yr. only, aggregate annual value about £300. *Undergraduate Scholps.*—About 20 tenable for 2 yrs., aggregate annual value about £900; about 25 tenable for 1 yr., aggregate annual value about £600; 6 or more special scholps. for evening students and mature age students of aggregate annual value about £450. One exchange scholp. (Helen R. Turtle, by Ulster-America Friendship Committee) awarded to student travelling from this Univ. to America as an exchange with the Univ. of Michigan. *Post-graduate Scholps.*—Studentships as follows: 5 (including 1 for Maths.) in Faculty of Arts, 4 in Faculty of Sci., 2 in Faculty of Med., 1 each in Faculties of Law, Econ. and Agric., all of £100 for 1 yr. with certain supplements; about 20 other Studentships of aggregate annual value about £2200. One exchange (male) studentship with approved American Univ.

RESIDENCE. Queen's Chambers (for men students, maximum accomm. at present being 42), board and residence £21 per term (Warden: J. Colhoun, Ph.D., D.Sc.). Riddell Hall (for women students, maximum accomm. at present being 50), board and residence per annum about £60 (Warden: Miss M. Dawson, B.A.). Board and lodging obtainable in the city from about 40s. a week upwards. A list of lodgings is maintained by a Lodgings Officer in the Secretary's Office.

APPOINTMENTS COMMITTEE. There is a committee which advises students as to preparation for entrance to various Government services and other appointments. All communications to be addressed to the Secretary, The Appointments Committee (J. M. Freeland, B.Sc., B.Com.Sc.).

ASSOCIATIONS. A Queen's Univ. Assocn. has been formed, Secs., Major Geo. Thomson, D.S.O., Parliament Buildings, Belfast, and Dr. J. Colhoun, Queen's Chambers, University Road, Belfast.

There is also a Queen's Univ. Club which meets in London. Secy., R. L. Rea, M.D., F.R.C.S., 101 Harley St., London, W.

RECOGNITION OF OTHER UNIVS. Students from other approved Univs. may apply for exemption from a year's attendance for first degree, attendance and examn. in some of the subjects for first degrees in Arts and Science, in consideration of equivalent courses and exams. elsewhere.

MEDICAL EXAMINATION OF STUDENTS. All first-year students are bound by regulation to submit to a full medical examn. by doctors appointed by the Students' Health Committee for that purpose.

UNIVERSITY EXTENSION lectures by members of the Univ. Staff and other lecturers by invitation are given in Belfast and other towns.

PUBLICATIONS. *Calendar* (Oct.), 3s. 6d.; Students' mag., *The Northman*.

THE YEAR 1946-47

BENEFACTIONS. The Ulster Gift Fund to endow a Scholp. or Scholps. for children of Northern Ireland ex-Service personnel, a further £1000 (making

a total of £8000). Sir Arnold Bax, nine scores of his own compositions. Mrs. Neile McCormick, in association with her son and daughter, Cultra House and grounds, together with an endowment fund, for use in connexion with Univ. activities. The Very Rev. R. G. S. King, M.A., a collection of books and pamphlets relating to Irish History. Emeritus Prof. W. B. Morton, 200 vols. modern English poetry. The Government of Northern Ireland, a complete set of 6" Ordnance Survey maps of Northern Ireland. The Government of Eire, a complete set of 6" Ordnance maps of Eire. Department of Scientific and Industrial Research, a collection of reports on industrial plants and research stations in Germany and occupied Europe. Mrs. Isabella Mitchell, to found, in memory of her husband, the Hugh Graham Mitchell Bursary in English Lit., £1000. The Ulster-America Friendship Committee, to endow a Scholp. in memory of Mrs. Helen Rosemary Turtle, £1163. Mrs. A. J. C. Menary, to found the John Menary Scholp. in the Fac of Medicine, £400 as an endowment. Monsanto Chemicals, Ltd., to establish a Research Studentship in the Dept. of Chem., £200 for two yrs.

NEW POSTS. Professorships in Dentistry, Jurisprudence, Social and Preventive Medicine, Child Health, Surgery (full-time); Lectureships in Music, Celtic, Education, Crop and Animal Husbandry, Agricultural Chemistry, Veterinary Science, Plant Genetics, two in Mycology and Plant Pathology, Embryology, Economics, Economic History; Directorship of the Institute of Pathology; Secretary to the Faculty of Medicine; Clerk of Examinations.

DEATH. Hon. R. D. Megaw, Senator.

RESIGNATIONS. Mr. G. J. Morris (Agric. Econ.), on accepting permanent appt. with Min. of Transport; Mr. R. P. Askew (Agric. Econ.), on accepting an appt. with Min. of Food; Dr. K. G. Thomas (Physiol.), on call-up for military service; Dr. H. A. Hezlett (Obstetrics); Mr. R. G. Cawthra (Med. French); Dr. J. Gillis (Maths.); Mr. E. R. R. Green (Adult Educ.); Mr. H. G. Hopkins (Maths.); Dr. J. H. Johnston (Surgery), on call-up for military service; Dr. Q. H. Gibson (Physiol.), on appt. to a similar post at the Univ. of Sheffield; Dr. A. Pantridge (Pathol.), on appt. as Registrar of Medicine; Dr. R. C. R. Loane (Anat.); Dr. M. G. Nelson (Clin. Path.), on appt. as Clin. Pathologist to the Royal Victoria Hosp.; Dr. I. P. Bell (Exp. Physics), on appt. to staff of Messrs. Lever Bros.; Miss Jane Charleton (Celtic), on appt. as Inspector of Schools; Mr. J. L. Brooks (Spanish), on appt. to post of Asst. Lectr. in Univ. of Manchester; Mr. J. M. Moge (Geog.), on appt. to post of Lectr. in the Univ. of Reading; Prof. M. A. O'Brien from Chair of Celtic, on appt. to post of Director of the Institute of Advanced Studies, Dublin; Dr. W. J. Allen (Physiol.), on appt. to post of Lectr. in Univ. of Leeds; Dr. R. H. Common (Agric. Chem.), on appt. to the Chair of Agric. Chem. at McGill Univ.; Prof. H. Barcroft from Chair of Physiol., on appt. to similar post at St. Thomas' Hosp. Med. Sch., London; Mr. H. Davies (German), on appt. to post with British Council in Prague; Dr. O. Davies (Arch. and Anc. Hist.), on appt. to the Chair of Classics at Natal Univ. Coll.; Dr. R. H. Hunter (Secretary), on retirement.

HONORARY DEGREES. *LL.D.*—The Rt. Hon. John M. Andrews, The Rt. Hon. Sir John M. Barbour, The Rt. Hon. Robert Anthony Eden, Colonel William D. Gibbon, Admiral Sir Max K. Horton, Air Vice-Marshal Sir William Tyrell, Admiral Sir Percy L. H. Noble, Marshal of the R.A.F. Lord Portal of Hungerford, Lieut.-Gen. Sir James Steele. *D.Litt.*—Professor Vivian H. Galbraith. *D.Sc.*—Professor Sir Walter N. Haworth. *M.A.*—Mr. John Green.

STUDENTS IN ATTENDANCE. Total enrolment 1971 men, 544 women (includ-

ing 116 graduates and over 500 ex-Service men), an increase of 399 on last year.

DEGREES. B.D., 2; B.A., 78; M.A., 6; LL.B., 27; B.Sc., 45; M.Sc., 10; D.Sc., 1; B.Sc. in Appl. Sc. and Tech., 31; B.Sc. (Civil Eng.), 37; M.B., 97; M.D., 44; B.Com.Sc., 19; B.Agr., 11; L.D.S., 5; Ph.D., 2; D.P.H., 31; Dip. in Educn., 5; H.Dip. in Educn., 8; Dip. in Social Studies, 5; Certif. in Social Studies, 2; Certif. in Radio Engin., 5.

UNIVERSITY OF DUBLIN, TRINITY COLLEGE

Founded 1592

CHANCELLOR—The Rt. Hon. THE EARL OF IVEAGH, C.B., C.M.G., LL.D.

VICE-CHANCELLOR—The Rt. Hon. Sir THOMAS F. MOLONY, Bart., LL.D.

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PROVOST—E. H. ALTON, M.A., Litt.D.

LIBRARIAN—J. G. SMYLY, M.A., Litt.D.

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LADY REGISTRAR—CHRISTABEL F. GODFREY, M.A.

REPRESENTATIVES IN SEANAD EIREANN—W. R. FEARON, M.B., Sc.D. ;
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SENIOR FELLOWS OF THE COLLEGE—

<p>Smyly, J. G., M.A., Litt.D., <i>Librarian and Sr. Dean.</i></p> <p>Fraser, J., M.A., <i>Auditor.</i></p> <p>Gwynn, Rev. R. M., M.A., B.D., <i>Sr. Lectr. and Catechist.</i></p> <p>Thrift, H., M.A., <i>Bursar.</i></p>	<p>Tate, Sir Robert W., K.B.E., Litt.D., <i>Sr. Proctor and Public Orator.</i></p> <p>Luce, Rev. A. A., Litt.D., D.D., <i>Vice-Provost.</i></p> <p>Johnston, J., M.A.</p>
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JUNIOR FELLOWS OF THE COLLEGE—

<p>*Godfrey, F. La T., M.A.</p> <p>Fearon, W. R., M.A., Sc.D., M.B.</p> <p>Bailey, K. C., D. de l'U. Toulouse, M.A., Sc.D., Litt.D., <i>Registrar.</i></p> <p>*Parke, H. W., M.A., Litt.D.</p> <p>M'Connell, A. J., D. d'U. Rome, M.A., Sc.D.</p> <p>*Duncan, G. A., M.A., LL.B.</p> <p>*Broderick, T. S., M.A.</p> <p>Walton, E. T. S., Ph.D. Camb., M.A., M.Sc.</p> <p>*Stanford, W. B., M.A., Litt.D.</p>	<p>*Wormell, D. E. W., M.A., Ph.D. Yale.</p> <p>*Moody, T. W., B.A. Belf., Ph.D. Lond., M.A.</p> <p>O'Meara, R. A. Q., Sc.D., M.D.</p> <p>*Coutts, J. A., LL.B., M.A. Camb., M.A.</p> <p>Mitchell, G. F., M.A., M.Sc., <i>Jr. Dean.</i></p> <p>*Quin, E. G., M.A.</p> <p>*Furlong, E. J. J., M.A.</p> <p>*Gregg, A. H., M.Sc. Belf., Ph.D. Lond., M.A.</p> <p>*Smyth, J. D., B.Sc., Ph.D.</p>
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* Tutor Fellows.

HONORARY FELLOWS—

Benians, E. A., Litt.D.

Ross, Sir W. David, Litt.D.

Weaver, J. R. H., Litt.D.

TEACHING STAFF

Anatomy, Human, and Embryol.,
v. also Zool.

Erskine, C. A., Ph.D. Prof.

Hughes, H., M.A. Liv., M.B. Lectr.

Fallon, M., O.B.E., M.A., M.Ch.,
F.R.C.S.I. Univ. Anatomist.Henry, R. F. J., M.B., F.R.C.S.I.
(Applied Anat.) Lectr.*Anglo-Saxon*

Liddell, M. F., M.A., Ph.D. Lectr.

*Art, History of*Bodkin, T., D.Litt. N.U.I., Litt.D.
Hon. Prof.*Astronomy*

O'Connor, F. J., B.A. Lectr.

*Biochemistry and Biophysics, v.**Medicine, infra**Botany and Plant Biol.*

Dixon, H. H., Sc.D., F.R.S. Prof.

Webb, D. A., M.A., Ph.D. Lectr.

Mulligan, T. E., B.A. Asst.

*Celtic Languages, v. also Irish*Knott, Eleanor, D.Litt. N.U.I.,
M.A. Lectr.

Quin, E. G., M.A. Lectr.

Chemistry

Cocker, Wesley, Ph.D., F.R.I.C. Prof.

Werner, A. E. A., Ph.D. Freib.,
M.A., M.Sc. Reader.Bailey, K. C., M.A., Sc.D., Litt.D.,
F.R.I.C. Lectr.Pepper, D. C., B.Sc. Lond., Ph.D.
Camb., M.A. Lectr.

Stuart, E. R., B.Sc. St. And. Lectr.

Cross, B. E., B.Sc. Lond. Asst.

*Classical Archæol.*Parke, H. W., M.A., Litt.D.
Louis Claude Purser
Lectr.*Classics*

Stanford, W. B., M.A., Litt.D.

(Greek) Regius Prof.

Wormell, D. E. W., M.A. Camb.,
Ph.D. Yale (Latin) Prof.

Tate, Sir R. W., K.B.E., M.A.

Camb. and Dub. (Classical
Composition) Honor Lectr.Henry, R. M., Litt.D., LL.D.
(Classical Literature)
Hon. Prof.*Commerce**Lecturers*

Johnston, J., M.A. (Econ.).

Duncan, G. A., M.A. (Econ.).

Ryan, W. J. L., B.A. (Econ.).

Byrne, J. J., LL.B. N.U.I., M.Sc.
Camb. (Econ.).Otway-Ruthven, Annette J.,
Ph.D. (Econ. Hist.).Haughton, J. P., M.A., M.Sc.
(Comm. Geog.).

Butler, W. B., M.A. (Accounting).

Mars, J., M.A. Bristol, M.Com.
Birm., B.Litt. Ox. (Statistics).Magrath, C. R. R., M.A. (Bus.
Organ., Banking, Foreign
Trade).Moran, Frances E., LL.D. (Comm.
Law).

Corrigan, T. H., M.A. (Insurance).

Ingram, J., M.A. (Transport).

Smurthwaite, J. S. (Industrial
Psychology).*Dentistry, v. infra**Divinity, v. Theol. infra**Economics, v. Polit. Econ. and**Commerce**Education*Fynne, R. J., M.A. Dub. and
Lond. Prof.

Little, Anita C., M.A. Asst.
 Pearson, Eileen F., B.A. Asst.
 Marsh, A., B.A. Belf. Asst.
 Crawford, Rev. E. A., B.D., Ph.D. Lectr.

Engineering, Civil

Purser, J., M.Sc. Birm., M.A., M.A.I. Prof.
 Cotter, J. R., M.A. Lectr.
 M'Cormick, F. R. A., M.A. Lectr.
 Roberts, A. I. N., B.A. Camb. and Dub., B.A.I. (Building Construction) Lectr.
 Fitzgibbon, G., B.A., M.A.I. Lectr.
 Henry, J. K. M., B.A.I. Asst.

Engineering, Electr.

Allen, R. G., D.Sc. N.U.I. (Practice of E. Eng.) Lectr.
 O'Brien, Col. Eoghan, D.S.O., B.Sc. Leeds, M.A. (Railway Traction) Lectr.

Engineering, Sanitary, v. Public Health

English Lang. and Lit.

White, H. M. O., M.A. Belf. Prof.
 Pyle, W. F., M.A., Ph.D. Lectr.
 French, R. B. D., M.A. Lectr.

French

Arnould, E. J. F., Ph.D., D.Lit. Lond. Prof.
 Skeffington, O. L. S., M.A., Ph.D. Reader.
 MacCarthy, Ethna M., M.A. Asst.
 Leventhal, A. J., M.A., Ph.D. Asst.
 Orgel, Vera, Ph.D. Lectr.

Geography

Freeman, T. W., M.A. Leeds Reader.
 Haughton, J. P., M.A., M.Sc. Asst.

Geology and Mineralogy

Smyth, L. B., M.A., Sc.D. Prof.
 Mitchell, G. F., M.A., M.Sc. Lectr.
 Nevill, W. E., B.A. Asst.

Geophysics

Poole, J. H. J., M.A.I., Sc.D. Prof.

German

Liddell, M. F., M.A. Dub. and Edin., Ph.D. Birm. Prof.
 Leventhal, A. J., M.A., Ph.D. Asst.
 Scheyer, E., M.A. Breslau, Dr. Juris. Berlin Asst.

Hebrew, v. infra Orient. Langs.

History, Ancient

Parke, H. W., M.A. Dub. and Ox., Litt.D. Prof.

History, Ecclesiastical, v. Theol. infra

History, Modern, v. also Oratory and Hist.

Moody, T. W., B.A. Belf., Ph.D. Lond., M.A. Prof.
 Maxwell, Constantia E., M.A., Litt.D. Lecky Prof.
 Otway-Ruthven, Annette J., Ph.D. Lectr.
 McDowell, R. B., Ph.D. Lectr.

Irish

O'Toole, E., M.A. Dub. and N.U.I. Prof.
 Knott, Eleanor, D.Litt. N.U.I., M.A. (Early Irish) Prof.
 Beaumont, J. N., M.A. Lectr.
 Ní Ghuairim, Sorcha Lectr.

Irish Archaeology

Mitchell, G. F., M.A., M.Sc. Lectr.

Italian

Tate, Sir R. W., K.B.E., M.A. Honor Lectr.
 Tomacelli, E., D.Giur. Naples Lectr.

Law, v. infra

Mathematics

Broderick, T. S., M.A. Dub. and N.U.I. Erasmus Smith's Prof.
 McConnell, A. J., Dott. d'U. Rome, M.Sc., Sc.D. Prof.

- Meredith, C. A., M.A. Camb. Lectr.
 Spain, B., Ph.D. Edin., M.Sc. Lectr.
 Graham, V. W., M.A. Lectr.
Medicine, v. infra
Music [Prof.
 Hewson, G. H. P., M.A., Mus.D.
Oratory and Hist., v. also Hist., Mod.
 Moody, T. W., B.A. Belf., Ph.D. Lond. Erasmus Smith's Prof.
Oriental Langs., v. *infra*
Philosophy
 Luce, Rev. Canon A. A., Litt.D., D.D. (Moral P) Prof.
 Hartford, Rev. R. R., M.A., B.D. (Ment. and Moral Sci.) Lectr.
 Furlong, E. J. J., M.A. Lectr.
 Godfrey, F. la T., M.A. (Hist. of P.) Lectr.
Phonetics
 Quin, E. G., M.A. Lectr.
Physics
 Walton, E. T. S., Ph.D. Camb., M.A., M.Sc. Erasmus Smith's Prof.
 Poole, J. H. J., M.A., B.A.I., Sc.D. Lectr.
 Gregg, A. H., M.Sc. Belf., Ph.D. Lond. Lectr.
 Delaney, C. F. G., B.Sc. Lectr.
 Elliott, R. B., B.Sc. Lectr.
Physiology
 Torrens, D. S., M.A., M.B. Prof. and King's Prof. of Insts. of Med.
 Hamilton, D. McK., M.B. Lectr.
 Pritchard, R. M., M.B. Asst.
Political Economy, v. also Comm.
 Duncan, G. A., M.A., LL.B. Prof.
 Johnston, J., M.A. (Applied Economics) Prof.
 Armstrong, Olive G., M.A. (Pol. Sci.) Lectr.
- Ryan, W. J. L., B.A. Research Lectr.
 Byrne, J. J., M.A., LL.B. N.U.I., M.Sc. Camb. Asst.
Political Science
 Chubb, F. B., B.A. Ox. Lectr.
Spanish
 Sloman, A. E., M.A. Ox. Reader.
 Doyle, J. E., M.A.N.U.I. Lectr.
Theology, v. infra
Zoology and Compar. Anat.
 Gatenby, J. B., B.Sc., D Phil. Ox., D.Sc. Lond., M.A., Ph.D. Prof.
 Smyth, J. D., B.Sc., Ph.D. Lectr.
 Beirne, B. P., M.Sc., Ph.D. (Entomology) Lectr.
- Law**
 Moran, Frances E., M.A., LL.D. Reg. Prof. of Laws.
 Coutts, J. A., M.A., LL.B. Camb. Prof. of Laws.
Penal Legislation, Const. and Crim. L., and L. of Evid.
 Lardner, G. J. W., LL.B. Reid Prof.
Roman Law
 M'Kenna, C. B., LL.D. Lectr.
- Medicine (Physic)**
 (for subjects of the first 2 yrs.—Anat., etc., v. *supra*)
 Moorhead, T. G., LL.D. Belf., M.D., D.P.H., L.M., F.R.C.P.I. Reg. Prof. of Physic.
 Synge, V. M., M.D. (Practice of Med.) King's Prof.
 O'Brien, B. E., M.B. Asst.
- Anæsthetics*
 Kirkpatrick, T. P. C., D.Litt. N.U.I., Litt.D., M.D., F.R.C.P.I. Lectr.

Bacteriology and Preventive Med.

- Bigger, J. W., Sc.D., M.D., D.P.H.,
F.R.C.P.I. Prof.
Hayes, W. M. D. Lectr.
Stewart, F. S., M.D. Asst.
McKeever, J. D., M.B. Asst.

Biochemistry

- Fearon, W. R., M.A., M.B., Sc.D.
Prof.
Kawerau, E., M.B., M.Sc. Asst.

History of Med.

- Kirkpatrick, T. P. C., D.Litt.
N.U.I., Litt.D., M.D.,
F.R.C.P.I. Hon. Prof.

Hygiene

- Bigger, J. W., Sc.D., M.D., D.P.H.,
F.R.C.P.I. Lectr.

Materia Medica and Pharmacy

- Micks, R. H., M.A., M.D.
King's Prof.

Medical Jurisprudence

- Wallace, J. A., B.Sc., M.B. Lectr.

Medicine, Experimental

- O'Meara, R. A. Q., Sc.D., M.D.,
F.R.C.P.I. Prof.

Midwifery

- Browne, O'D. T. D., M.A.O., M.B.,
F.R.C.P.I. King's Prof.
Falkiner, N. McL., Sc.D., M.D.,
F.R.C.P.I. (Gynaecology) Lectr.

- Fleming, J. B., M.A.O., M.D. Asst.

Pathology

- O'Meara, R. A. Q., Sc.D., M.D.,
F.R.C.P.I. Prof.
Gaffney, J. C., M.Sc., M.D.,
F.R.C.P.I. Lectr.
McCarthy, Mary K., M.B., B.Sc.
Lond. Asst.
McNally, P. A., M.Sc., M.D.,
F.R.C.P.I.

(Appl. Path.) Lectr.

- Pringle, S., M.B., M.Ch., F.R.C.S.I.
(Path. of Bone) Hon. Lectr.

Physiology, Applied

- Dockeray, G. C., M.Sc., M.D. Lectr.
Wilson, R., M.A., M.D. Lectr.

Psychological Medicine

- Bennet, E. A., M.C., M.A., Sc.D.,
M.D., D.P.M. Lectr.

*Public Health**Lecturers*

- Roberts, A. I. N., B.A.I. (San.
Constrn. and Planning).
Collis, W. R. C., F.R.C.P. Lond.,
F.R.C.P.I. (Pædiatrics).
Steen, R. E., M.D., F.R.C.P.I.
(Pædiatrics).
McSweeney, C. J., M.D. N.U.I.,
F.R.C.P.I. (Infectious Dis-
eases).

Radiology

- McDonogh, C. L., M.A., M.D. Lectr.

Surgery

- McConnell, A. A., M.A., M.Ch.
Regius Prof.
Pearson, W., M.D., M.Ch. Prof.
Henry, R. F. J., M.B., F.R.C.S.I.

Surgery, Orthopædic

- Haughton, W. S., M.D., M.Ch.
Hon. Prof.

Dentistry

- Hogan, J. E., M.A., L.D.S.
(Dental Surg. and Pathol.) Lectr.
Friel, E. S., M.Dent.Sc., Sc.D.
(Orthodontics) Prof.
Ganly, A., B.Dent.Sc.
(Dental Mechanics) Lectr.
O'Brien, B. E., M.B.
(Med. for Dental Students) Lectr.
Dockrell, R. B., B.Dent.Sc.
(Dental Anat.) Lectr.

*Oriental Languages**Arabic*

- Weingreen, J., M.A., Ph.D. Lectr.

Hebrew

- Weingreen, J., M.A., Ph.D.
 Erasmus Smith's Prof.
 Gwynn, Rev. R. M., M.A., B.D.
 Asst.
 Baker, J., M.A., LL.B., Ph.D.
 Lectr.
Sanskrit and Compar. Philol.
 Quin, E. G., M.A. Lectr.

Theology

v. also Orient. Langs.

Biblical Greek

- Gwynn, Rev. R. M., M.A., B.D.
 Prof.
Divinity
 Oulton, Rev. J. E. L., M.A., D.D.
 Regius Prof.
 Hartford, Rev. R. R., M.A., B.D.
 Archbishop King's Prof.
 Nowlan, Rev. G. S., M.A.
 Wallace Lectr.
 Jenkins, Rev. R. G. F., M.A., B.D.
 (Bible) Lectr.

Assistants

- Green, Rev. D. C., M.A., B.D.
 Proctor, Rev. W. C. G., B.D.
 Greening, Rev. E. W., B.D.
 Simms, Rev. G. O., M.A., B.D.

- De Pauley, Rev. W. C., M.A., D.D.
 Salmon, Rev. T. N. D. C., B.D.

Ecclesiastical Hist.

- Jourdan, Rev. Canon G. V., D.D.,
 Litt.D. Prof.

Pastoral Theology

- Barker, Rev. E. L. B., M.A. Prof.

Donnellan Lecturer

- 1947—Thomas Bodkin, D.Litt.
 N.U.I., M.A., Litt.D.

John Mallet Purser Lecturer

- 1947—Edward Joseph Conway,
 D.Sc., M.B. N.U.I., F.R.S.

John Joly Lecturer

.....

Mary Louisa Prentice Montgomery Lecturer

- 1947—Bernard Samuels.

Frederick Price Lecturer

- 1947—Baron Horder of Ashford,
 M.D., G.C.V.O.

ASSOCIATED COLLEGES

MAGEE COLLEGE, LONDONDERRY, for first 3 yrs. of B.A. course.

CHURCH OF IRELAND TRAINING COLLEGE, KILDARE PLACE, DUBLIN. The 2 yrs.' course of training for teaching in elementary schools is conducted partly at Trinity College, Dublin, and counts towards the Dublin B.A. subject to the candidate qualifying in Latin and a modern foreign language before proceeding as "Sophister" (3rd yr.).

VETERINARY COLLEGE OF IRELAND. A student may take his preliminary scientific work and an Arts course in Trinity College and his professional Veterinary studies in the Veterinary College.

GENERAL INFORMATION

Trinity College was founded and incorporated by Royal Charter in 1592 as "Mater Universitatis," but no other College has been founded, so that "Dublin Univ." and "Trinity College" are practically interchangeable terms. The Corporation of the College was put on its present basis by Letters Patent in 1637. Letters Patent of 1911 transferred the powers of making statutes from the Crown to the Corporation, subject to the consent of a majority of the Fellows and the approval of the Visitors. The general government of the

Univ. is in the hands of the Board of Trinity College, which consists of the Provost, Senior Fellows, 2 representatives of Junior Fellows, and 2 representatives of the non-Fellow Profs. The Univ. Council, formed by representatives from the Board and various Faculties and Schools, has the right of nomination to most Professorships, and in conjunction with the Board can make changes in the curriculum, but otherwise has only advisory functions.

The College occupies a large site in the middle of the city, with ample grounds for the athletic clubs.

THE LIBRARY of Trinity College has enjoyed since 1801 the privilege of receiving a copy of every book published in the United Kingdom. It contains about 500,000 printed books, amongst which there is in the Fagel Library a group of early pamphlets relating to the Dutch and English East and West India Companies. The MSS. are over 2000 in number, and include an important collection in Irish. A General Catalogue of the MSS. was published in 1900, and a Revised Catalogue of the Irish MSS. in 1921. A Catalogue of Printed Books in the library in 1872 was published in 1887 and distributed to the world. There are smaller libraries in the Schools of Mod. Langs., Hist., Econ., Med., Maths., Nat. Scis., Geog., Philol. and Educn.

MUSEUMS. The scientific museums include Zool. and Comp. Anat., Geol. and Mineral., Surg. and Med., Path., Mat. Med., Anthropom., Engin. Models, Nat. Philos. The Zoological collection is one of the best in the country. The series of vertebrate osteology is extensive. Attached Laboratories offer all facilities for research work. The collection of Geological and Mineralogical specimens is also extensive.

LABORATORIES. Anat., Anthropol., Bio-Chem., Bot., Chem., Geol., Geog., Histology, Mat. Med., Mech. Engin., Pathol., Physical (Iveagh), Physiol., Zool.

HERBARIUM (rich in plants of N. America, India, S. Africa and Australia). **BOTANIC GARDENS**, 8 acres.

Ample facilities for clinical studies and many appointments for graduates are available in numerous **HOSPITALS**, including the well-known Rotunda. The Irish High Court is situated within a short distance of the College.

PROFESSIONAL SCHOOLS. Divinity, Law, Physic, Engin., Social Sci., Agric., Forestry, Music, Educn., Comm., Vet. Registrars: *Law*—G. A. Duncan, M.A.; *Physic*—Winifred Kinnear, M.A.; *Engin.*—J. Purser, M.A.; *Music*—G. H. P. Hewson, Mus.D.; *Educn.*—R. J. Fynne, M.A.; *Agric.*—J. Purser, M.A.; *Comm.*—J. A. Coutts, M.A.; *Social Sci.*—J. A. Coutts, M.A.

ADMISSION. See Appendix I.

DEGREES. Every student must take the B.A. before proceeding to any other degree, except those in music and B.Sc., M.Sc., B.Litt., Ph.D. The course lasts 4 yrs., but it is only necessary to keep 2 out of the 3 terms in each, or 8 in all. It is also possible to complete the course within 3 yrs. from entrance by taking the final examn. of the 1st yr. at the time of entering and keeping all 3 terms of the 2nd yr. However, all students not in a professional school or taking the B.Sc. course are required to attend Arts lectures in every term, unless specially exempted (e.g. those earning their living by teaching). If exempted they are permitted to keep all of their 8 terms by examn. instead of by attendance. Exemption from attendance is never granted to students taking scientific subjects for the Hons. B.A.

During the first 2 yrs. (Junr. and Senr. Freshman) of the Pass B.A. course English, Latin, Logic and Mathematics are compulsory subjects, with a choice of other subjects. After the examn. ("Little-Go") at the end of the 2nd yr. wide freedom of choice is allowed of subjects for the remaining (Jun. and Sen.

Sophister) years, and exemptions are granted to Law, Engin., Comm. and Div. students. For Med. students there is a specially reduced Arts course throughout.

Every student must choose one of the Tutor Fellows (*see* list above) as his Tutor and should apply to him for all information before and after entrance.

The *Honours* B.A.—known as *Moderatorship*—can be taken in 12 different groups (viz. 1 Math., 2 Class., 3 Ment. and Mor. Sci., 4 Exp. Sci., 5 Nat. Sci., 6 Hist. and Pol. Sci., 7 Mod. Lit., 8 Leg. Sci., 9 Eng. Sci., 10 Celtic, 11 Oriental Lang., 12 Econ. and Pol. Sci.), and undergraduate honours in the same subjects (except Nos. 9 and 11) can be obtained in each academic year and in most subjects in each term. The course lasts 4 yrs. in the case of Nos. 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12—3 yrs. in No. 9. Instruction in these Honour courses is given partly by the Profs. and partly by the Tutorial staff.

A B.A. of 3 yrs.' standing may be admitted M.A. There is no examn. for this, nor is a thesis required.

The B.Litt. is obtained by a thesis, and candidates must have at least 1 yr.'s standing as B.A. They must also, except by special permission of the Board, be graduates with Honours in Classics, Philosophy, History, Modern, Celtic or Oriental Languages, Legal Science, or Economics, of Dublin or of an approved University.

The Pass B.Sc. is obtained by a 4-yr. course consisting of 12 terms of lectures and 4 examns. In the first two years English, French, German, Mathematics, Physics and Chemistry are compulsory. In the last two years the student studies 3 subjects chosen from Physics, Chem., Bot., Zool., Physiol., Geol., Anat., Bact., Geog.

A B.Sc. with hons. is obtained by passing an examn. identical with Moderatorships (*see above*) in Exp. or Nat. Science.

The B.D. is obtained by an examn. open to all grads. in Arts, the D.D. is open to any B.D., 8 yrs. after taking B.A., and is awarded on a thesis or published Theol. work.

The LL.B. course covers 2 yrs.; the M.B., B.Ch. and B.A.O., 6 yrs.; B.Dent.Sc., 6 yrs.; B.A.I., 3 yrs. (optional 4th yr. in Elec. and Mech. Engin.); Agr.B. or Agr. (Forestry) B., 4 yrs., of which 3rd and 4th are taken in Univ. Coll. (N.U.I.); B.Comm., 3 yrs. The M.Sc. and Ph.D. (v. p. 15) involve post-graduate study and research for 1 yr. and 2 yrs. respectively.

A candidate for the Sc.D. or Litt.D. must have at least 3 yrs.' standing as B.A., or have obtained M.Sc., B.Litt., or Ph.D., and submit important original work; for LL.D. must be of M.A. standing—a thesis or a published work is required; for M.D. must have taken the M.B. degree, be of M.A. standing; for M.Ch. must be a B.Ch. of 3 yrs.' standing; for M.A.O., a B.A.O. of 2 yrs.' standing; a thesis or examn. is required for M.D., an examn. for the M.Ch. or M.A.O. A candidate for M.Dent.Sc. must be a B.Dent.Sc. of 3 yrs.' standing, and pass an examn.; for M.A.I. must have practised his profession for 3 yrs. after graduating as B.A.I.

The Mus.B. is granted after an exercise or practical test and 2 examns., the Mus.D. after an exercise and examn.

DIPLOMAS in Agric., Gynæc. and Obst., Educn. (Primary and Higher), Social Studies, Public Admin., Geography, Biblical Studies, Mech. Engin., Religious Knowledge (women), Hist. of European Painting (by examn. only).

License in Engineering (first 2 yrs. of Arts course and complete course in Engineering). *License* in Med., Surg. and Obst. Science.

Certificate in Engineering (complete course in Engineering, but without Arts course).

Testimonium in Divinity (3 yrs.' course).

FEES. Entrance, £15; Composition for all Arts and Science Lectures, 36 gs. p.a. with laboratory fees in Science (to students admitted to advanced standing the entrance fee is remitted and in most cases some of the half-yearly Arts fees); Med. course total (including Hospitals and Degree fees), about £165; Dental Sci. total, about £218; Engin. (3 yrs.), £52 (minimum), in addition to Arts Tuition fees in each case; Divinity free for students in Arts, 20 gs. p.a. for others; Commerce, £47 (if Arts Course is taken), £80 (for extern. students).

Among **SCHOLARSHIPS, PRIZES, ETC., OPEN TO GRADUATES** are: Two studentships and a number of other research exhibitions and prizes of £100 each offered at the B.A. degree examn. Madden Prize Fund £424 p.a. awarded to unsuccessful candidates at Fellowships examn. or for research work or as a *Travelling Scholarship*. *Travelling Prize*, £100 in Medicine or Surgery (3 mos. to be spent abroad). Harmsworth Exhibition, £100, for research work. A number of other prizes, etc. (including the National Hist., about £160), are open to graduates under M.A. standing.

EXCHANGE OF STUDENTS. Exchanges of students are arranged with European countries. Visiting students give lectures, mainly on conversational French and German, and in return may attend any lectures free of charge and are given free board and lodging.

STUDENTS FROM OVERSEAS. Students of American and other foreign Universities, if recommended by the Principals of their Universities, may work for an academic year in Trinity College. There are special fees which vary with the Courses followed.

RESIDENCE. The College has accommodation for about 300 students. Rent £12 to £45 p.a. for single sets and proportionately for double sets of rooms; dinner in Hall, 17s. 6d. a week. Trinity Hall (Warden: E. J. Power Steele, M.A.) accommodates 60 women; board and residence, about £30 per term of 10 weeks. There is also a hostel for Divinity students of the Church of Ireland.

APPOINTMENTS ASSOCIATION (estab. in 1906). Secy., A. J. Leventhal, M.A., Ph.D.

PUBLICATIONS. *Calendar* (Oct.), 4s., includes information as to courses, results of examns., degrees conferred, etc.; special Suppt. (occasional), lists of past honours, benefactors, etc. *Examn. Papers* of the several Honour schools; of the several Professional schools; of Entrance examns. and prizes; and of Pass Arts, are published in pamphlet form at 1s. per set. *Hermathena* (twice yearly), original papers in Arts subjects, price 3s. *T.C.D.* (Students'), 4d. weekly.

THE YEAR 1946-47

BENEFACTIONS. From Sir Almroth Wright, £2000. From Dr. F. W. Price, £750, to found a Lectureship in Medical Science. Under the will of Mrs. J. R. Lyster, £500 to found a scholp. in memory of Mr. T. W. Lyster. Under the will of Miss M. L. B. Longfield, £1000 to found a prize in memory of Mr. M. G. Longfield.

NEW DEVELOPMENTS. The University received £35,000 annual grant from the State (in addition, £5250 previously granted).

RETIREMENTS. Dr. E. A. Werner; Dr. J. K. Jamieson.

RESIGNATIONS. Dr. W. F. Starkie, F.T.C.D.; Dr. R. W. Ditchburn, F.T.C.D.; Dr. R. G. Inkster.

DEATHS. Isabella Webb (Houses of Residence); Sir Almroth Wright (Hon. Fellow); J. M. Henry (Fellow).

HONORARY DEGREES. *D.D.*—Rev. V. Taylor. *Litt.D.*—Sir A. M. Carr-Saunders, G. O'Brien. *Sc.D.*—Sir J. Chadwick, J. W. M'Leod, K. Jessen. *M.D.*—Sir E. L. Holland, H. J. Stander. *LL.D.*—Sir D. L. Keir, G. Lester. *M.A.*—Alice Reeves.

DEGREE (*Jure dignitatis*). Rt. Rev. T. Bloomer.

STUDENTS. Total: 2129 (almost all full-time). The total includes 620 women and 140 postgraduates. (Medicine, 546; Eng., 132; Agric. and Forestry, 5; Divinity, 94; Commerce, 65; Law, 92; Education, 37; Social Science, 164.)

DEGREES. B.D., 7; D.D., 3; B.A., 246; M.A., 89; LL.B., 5; LL.D., 3; B.Sc., 12; M.Sc., 4; Sc.D., 3; M.B., B.Ch., B.A.O., 45; M.D., 19; M.Ch., 3; M.A.O., 1; B.Dent.Sc., 1; B.A.I., 22; B.A.I. Elec. et Mech., 1; M.A.I., 4; B.Comm., 10; Mus.B., 2; Mus.D., 1; B.Litt., 3; Litt.D., 5; B.Agr., 2; Ph.D., 4.

THE NATIONAL UNIVERSITY OF IRELAND

Founded 1909

CHANCELLOR—EAMON DE VALERA, T.D., B.A., B.Sc., Ph.D., LL.D.

VICE-CHANCELLOR—(for biennium ending Dec. 31, 1949), V. Rev. PÁDRAIG DE BRÚN, M.A., D.Sc., President, University College, Galway.

PRO-VICE-CHANCELLORS—THE PRESIDENTS, UNIV. COLLS. OF DUBLIN AND CORK, AND ST. PATRICK'S COLL., MAYNOOTH.

REGISTRAR—ALEX A. MCCARTHY, B.A., LL.D., 49 Merrion Square, Dublin.

REPRESENTATIVES IN SEANAD ÉIREANN—MRS. HELENA CONCANNON, M.A., D.Litt.; Prof. H. L. BARNIVILLE, B.A., M.D., M.Ch.; Prof. M. J. RYAN, M.A., LL.B., B.E., B.Sc., S.C.

Telephone : Registrar—Dublin 62470
Telegrams : "Natuniv. Dublin."

CONSTITUENT COLLEGES

UNIVERSITY COLLEGES OF DUBLIN, CORK AND GALWAY.

RECOGNIZED COLLEGE

ST. PATRICK'S COLLEGE, MAYNOOTH.

TEACHING STAFF

Profs. of Catholic Theology—Very Rev. Dr. Gerard Mitchell, Very Rev. Dr. John McCarthy, Very Rev. John O'Flynn.

Staffs of the Univ. Colleges, v. *infra*.

Recognized Teachers in approved degree courses in St. Patrick's College, Maynooth (President—Right Rev. Monsignor Edward Kissane, D.Litt., D.D., L.S.S.): *Classics*—Rev. D. Meehan, M.A.; Rev. J. Duff, M.A.; Rev. J. Hackett, M.A., D.D. *Education*—Rev. M. A. Brennan, M.A., Ph.D., H.Dip. in Educn. *English*—Rev. C. Kevin, M.A.; Rev. J. J. McMackin, M.A. *French*—Brian C. P. Walsh, M.A. *Irish*—Rev. Denis P. O'Flynn, M.A.; S. Ó. Searcaigh, M.A., D.Ph. *Maths. and Math. Physics*—Rev. J. McConnell, M.A., D.Sc. *Music*—Rev. M. Tracy, B.A., L.Mus. Rome. *Philos., Mental and Moral*—Rev. Cornelius Lucey, M.A., D.Ph.; Rev. P. K. J. Bastable, M.A., Ph.D.; Rev. F. O'Brien, S.T.D. *Physics, Expl.*—Rev. P. J. I. McLaughlin, M.Sc., D. ès. Sc. *Welsh*—S. Ó. Searcaigh, M.A., D.Ph.

GENERAL INFORMATION

The National University of Ireland, with its Constituent Colleges, the University Colleges of Dublin, Cork and Galway, was founded 1909. For early history, *see Yearbook, 1929.*

FACULTIES. (1) Arts, (2) Philosophy and Sociology, (3) Celtic Studies, (4) Science, (5) Law, (6) Medicine, (7) Engineering and Architecture, (8) Commerce, (9) General Agriculture (Univ. Coll., Dublin, only), (10) Dairy Science (Univ. Coll., Cork, only), (11) Veterinary Science (Univ. Coll., Dublin, only). Music is included in Arts and Celtic Studies. Classes are held in all Faculties, except (9), (10) and (11), at each of the constituent Colleges, and in 1, 2, 3 and 4 at Maynooth.

ADMISSION. *See* Appendix I.

DEGREES: B.A., M.A., D.Litt., B.Mus., D.Mus., D.Litt.Celt.; B.Sc., B.Agr.Sc., M.Sc., M.Agr.Sc., D.Sc.; LL.B., LL.D.; M.B., B.Ch., B.A.O., M.Ch., M.A.O., M.D.; M.Econ.Sc.; D.Econ.Sc.; B.Sc. (Dairying); M.Sc. (Dairying); B.D.S., M.D.S.; B.E., M.E., B.Arch., M.Arch.; B.Comm., M.Comm.; B.Vet.Sc., M.Vet.Sc.; Ph.D.

Course for a First degree in any faculty—at least 9 terms in one of the Constituent Colls. or St. Patrick's Coll., Maynooth.

The M.A., M.Sc., M.Agr.Sc., D.Sc., M.E., M.Arch., M.Comm., Ph.D., D.Litt., M.Econ.Sc., D.Econ.Sc., M.Sc. (Dairying), M.Vet.Sc. may be conferred on graduates or other students for research under prescribed conditions in the Univ. or in a Constituent Coll. during at least 3 terms for a Master's degree or 6 terms for the Doctorate. The duration prescribed for the course of study and research for the Ph.D. is 9 terms (reducible to 6). *See* p. 15.

Diplomas are offered in the subjects of Faculties 1, 3, 8, and in several others; certificates in Commercial subjects and in Organ Music. A Higher Diploma in Educn. may be obtained by a graduate of any Univ. of the U.K. or other approved Univ. after a course in one of the Constituent or Recognized Colls. A Diploma in Library Training is available in Univ. Colls., Dublin and Galway. A Diploma in Social Science is obtainable in Univ. Coll., Dublin.

FEES: Matricn., £4. Combined examn. and degree, £9 to £21. Diplomas, £2 to £5. For tuition fees, *v.* separate Colleges.

STUDENTSHIPS, ETC., FOR GRADUATES. Six of £300 each, tenable for 2 yrs. outside Ireland (to which a prize for a further year of Irish Historical Research may be added), open to graduates of the Univ. of not more than 4 yrs.' (one in Medicine, 3 yrs., one in Philosophy, 5 yrs.) standing; a scholarship of £150 in Psychological Medicine; bursaries in Medicine, Surgery, Midwifery, Commerce, Engineering, £150, each tenable for 1 yr.; prize of £100 for Irish Historical Research.

APPOINTMENTS BUREAUX: University College, Dublin; University College, Cork; and University College, Galway.

PUBLICATION. *Calendar* (December), 2s. 6d., post free, 3s. 3d.

THE YEAR 1946-47

HONORARY DEGREES. *D.Litt.*—John Butler Yeats. *D.Mus.*—Sir Arnold Bax. *D.Litt.Celt.*—Rev. Lambert A. J. M'Kenna, S.J.

TRAVELLING STUDENTSHIPS. Three in the year 1946-47.

DEGREES. B.A., 349; M.A., 32; D.Litt., 1; B.Arch., 20; B.Comm., 112;

M.Comm., 2; M.Econ.Sc., 2; B.Mus., 5; LL.B., 3; B.Sc., 82; M.Sc., 23; D.Sc., 1; B.E., 102; M.E., 1; B.Sc. (Dairying), 1; M.Vet.Sc. (official), 5; B.Sc. Public Health, 1; B.Agr.Sc., 37; M.Agr.Sc., 5; M.B., B.Ch., B.A.O., 195; M.D., 22; M.Ch., 3; M.A.O., 1; B.D.S., 6; Ph.D., 5.

DIPLOMAS. Dip. in Educn., 4; H.Dip. in Educn., 239; Dip. in Library Training, 8; Dip. in Social Sci., 17; Dip. in Dairy Sci., 7; D.P.H., 37; Dip. in Psychol. Med., 1; Dip. in Child Health, 5; Dip. in Chem. Technol., 1; Dip. in Public Admin., 36; Dip. in Commerce, 10; Cert. in Pub. Health, 45.

UNIVERSITY COLLEGE, DUBLIN

Founded 1909

PRESIDENT—MICHAEL TIERNEY, M.A.

REGISTRAR—Prof. J. J. NOLAN, M.A., D.Sc.

SECRETARY AND BURSAR—A. J. O'CONNELL, M.Comm.

LIBRARIAN—J. J. O'NEILL, M.A.

Telephone : 52116.

TEACHING STAFF

<i>Accountancy</i>		<i>Chemistry, Phys. & Metallurgical</i>	
O'Brien, G. W., M.A., B.Comm.		*Leonard, A. G. G., B.Sc., Ph.D.,	
	Lectr.	F.R.C.S.I.	Lectr.
<i>Agriculture, v. infra</i>		<i>Classics</i>	
<i>Anatomy</i>		.....	Prof.
Keenan, E., M.D., B.Ch., B.A.O.	[Prof.]	.....	Prof.
<i>Archæology, Celtic</i>		Gwynn, Rev. A., B.Litt. Ox., M.A.	
Ó Riordáin, S. P., M.A., Ph.D.,		(Anc. Hist.)	Lectr.
D.Litt., F.S.A.	Prof.	Farrell, E., B.A.	Lectr.
<i>Architecture</i>		<i>Commerce</i>	
Downes, J. V., B.Arch., F.R.I.A.I.,		Shields, B. F., M.A., D.Econ.Sc.	
F.R.I.B.A.	Prof.		Prof.
McDermott, M., B.Arch.	Lectr.	<i>Dentistry, v. infra</i>	
<i>Banking and Finance</i>		<i>Economics, v. Pol. Econ.</i>	
Colbert, J., B.Comm.	Lectr.	<i>Education</i>	
<i>Botany</i>		Williams, W. J., M.A.	Prof.
Doyle, Joseph, B.A., D.Sc.	Prof.	5 Assts.	
Roberts, O., M.Sc., Ph.D.	Lectr.	<i>Engineering, Civil</i>	
<i>Chemistry</i>		Purcell, P. F., M.A., M.A.I. Dub.	
Wheeler, T. S., D.Sc., Ph.D.,			Prof.
F.R.C.Sc.I.	Prof.	Lewis, F. E., B.A., B.E.	Lectr.
Algar, J., B.A., D.Sc.		<i>Engineering, Elect., v. Physics</i>	
(Med. C.)	Prof.	<i>Engineering, Mechanical</i>	
Keane, J., M.Sc., Ph.D.	Lectr.	Hogan, M. A., D.Sc. Lond., B.E.,	
<i>Chemistry, Applied Organic</i>		B.Sc.	Prof.
*.....	Prof.	.....	Lectr.
		Leahy, P., M.E., Ph.D.	Lectr.

* Profs. and Lectrs. of the former Royal College of Science who have accepted equivalent offices in Univ. College, Dublin, and have been appointed Profs. and Lectrs. of the N.U.I. in this College.

English Lang. and Philology
MacSweeney, J. J., M.A. Lectr.

English Literature
Hogan, J. J., B.Litt Ox., M.A. Prof.
McHugh, R. J., M.A. Lectr.
Donovan, P. F., M.A. Lectr.

French and Romance Philol.
..... Prof.
Roche, L. P., M.A., D. ès L. Lectr.
Poitiers

Geology
..... Prof.
Brindley, J. C., M.Sc., F.G.S. Lectr.

German
Macken, Mary, M.A. Prof.

Hebrew and Aramaic
Boylan, Right Rev. Mgr. P., M.A., D.Litt., Vicar General Prof.

History
O'Sullivan, J. M., M.A., Ph D. Prof.

History, Early, including Mediæval Irish
Ryan, Rev. J., M.A. Prof.

History, Modern Irish
Edwards, R. W. D., M.A., D.Litt. Prof.

Irish, Early and Mediæval
Shaw, Rev. F., M.A. Prof.

Irish Lang. and Lit., Modern
O'Kiely, Cormac, M.A. Prof.
Delargy, J. H., M.A. (Irish Folk-lore) Prof.
Hayes, M., M.A. Lectr.
Murphy, H. A. G., M.A. (Hist. of Irish Lit.) Lectr.

Italian and Spanish Langs. and Lit.

McBride, P. P., Ph.D. Madrid, M.A. Prof.
Bannan, E. F., Ph D. Madrid, B.A. (Spanish) Lectr.

Law, v infra

Mathematics

Keating, G., M.Sc. Prof.
Gormley, P. G., M.A., Ph.D. Prof.
Timoney, J. R., M.A. Lectr.
Power, Sheila L., M.A., Ph.D. Lectr.

Franklin, D., M.Sc. (Statistical Maths.) Lectr.

Medicine and Surgery, v. infra

Music

Larchet, J. F., Mus.D. Prof.

Music, Irish

..... Prof.

Philology, Comp., and Sanskrit
(In abeyance) Lectr.

Philosophy

O'Keeffe, Rev. D., M.A. (Ethics and Politics) Prof.
Shine, Rev. J., M.A. (Logic and Psychol.) Prof.
Horgan, Rev. J., M.A., D.D. (Metaphysics) Prof.

Physics and Electrical Engineering

*Hackett, F. E. W., M.A., M.Sc., Ph.D. Prof.
Morrissey, J. J., M.E. Lectr.

Physics, Experimental

Nolan, J. J., M.A., D.Sc. Prof.
Dowling, J. J., M.A., F.Inst.P. (Tech. P.) Prof.
Nolan, P. J., D.Sc., Ph.D. Lectr.
Nevin, T. E., D.Sc. Lectr.

* Profs. and Lectrs. of the former Royal College of Science who have accepted equivalent offices in Univ. College, Dublin, and have been appointed Profs. and Lectrs. of the N.U.I. in this College.

Physics, Mathematical

Keating, G., M.Sc. Prof.

Physiology and Histology

O'Connor, J. M., B.A., M.D. Prof.

Polit. Econ. and Nat. Econ.

O'Brien, G., B.A., D.Litt., B.L. Prof.

Welsh

Jones, J. Ll., M.A., D.Litt. Wales, B.Litt. Ox. Prof.

Zoology

Butler, J. B., M.A., M.B., B.Ch., B.A.O. Prof.

Humphries, Carmel, M.Sc., Ph.D. Lectr.

Agriculture*Agriculture*

Drew, J. P., M.Sc. Prof.

Agricultural Botany and Bacteriology

*Gorman, M. J. Prof.

Agricultural Chemistry

O'Sullivan, G. F., M.Sc. Lectr.

Agricultural Zoology

Carroll, J., B.Agr.Sc. Lectr.

Animal Nutrition

Sheehy, E. J., D.Sc., F.R.C.S.I. Prof.

Forestry

Clear, T., B.Agr.Sc. Lectr.

Horticulture

Sherrard, G. O. Prof.

Plant Breeding

Caffrey, M. Prof.

Plant Pathology

McKay, J., F.R.C.S.I. Prof.

Soil Physics

Gallagher, P. H., D.Sc. Lectr.

Law*Constitutional Law, Internat. and Criminal Law, Jurisprudence*

McGilligan, Patrick, M.A., B.L. Prof.

Law of Property and of Common Law, Roman Law

Ryan, M. J., B.E., B.Sc., LL.B., K.C. Prof.

Medicine*Med. Jurispr.*

McGrath, J., M.Sc., M.B., B.Ch., B.A.O. Prof.

*Medicine*Moore, H. F., M.D., D.Sc. Prof.
Meenan, J. N., M.B., B.Ch., B.A.O., D.P.H. (Systemic Medicine) Prof.*Mental Diseases*

Dunne, J., M.B., D.P.M. Lectr.

Midwifery and Gynæc.

Cunningham, J. F., M.D., B.Ch., M.A.O., F.R.C.P.I., F.R.C.O.G. Prof.

O'Kelly, J. J., B.A., M.B., B.Ch., M.A.O. (Obstetrics) Lectr.

Ophthalmology

Lavery, F. J., M.D., M.Ch., D.O.M.S. Prof.

Otorhinolaryngology

Doherty, E., M.B. Lectr.

Pathology and Bacteriology

O'Farrell, T. T., M.D., F.R.C.S.I., D.P.H. Prof.

Pharmacol. and Biochemistry

Conway, E. J., D.Sc., M.B., B.Ch., B.A.O. Prof.

Brady, T. G., M.Sc., Ph.D. (Biochem.) Lectr.

* Profs. and Lectrs. of the former Royal College of Science who have accepted equivalent offices in Univ. College, Dublin, and have been appointed Profs. and Lectrs. of the N.U.I. in this College.

<i>Pharmacology and Materia Medica</i>	Flanagan, L., B.D.S., M.B., B.Ch., B.A.O. (Orthod.)	Lectr.
Murnaghan, M. F., M.B., B.Ch., B.A.O., M.Sc.		Lectr.
<i>Public Health and Bacteriology</i>		
O'Kelly, W. D., D.Sc. (Pub. Health), M.D., D.P.H.		Prof.
<i>Radiology</i>		
Geraghty, J. A., M.D.		Lectr.
<i>Surgery</i>		
Barniville, H. L., B.A., M.D., M.Ch.		Prof.
Meade, H. S., M.Ch., F.R.C.S.I. (Systemic Surg.)		Prof.
<i>Therapeutics</i>		
O'Donovan, D. K., M.D., M.Sc., Ph.D.		Lectr.
<i>Dentistry</i>		
Sheridan, E., M.D.S., F.R.C.S.I. (D. Surg.)		Prof.
McGrath, K., M.B., B.D.S. (D. Mech.)		Prof.
<i>Veterinary Science</i>		
<i>Veterinary Anatomy</i>		
Browne, T. G., M.Sc., M.Vet.Sc.		Prof.
<i>Veterinary Medicine and Meat Inspection</i>		
O'Dea, A. F., M.Vet.Sc., D.V.S.M.		Prof.
<i>Veterinary Pathology and Bacteriology</i>		
Kearney, W., M.Vet.Sc.		Prof.
<i>Veterinary Physiology, Biochemistry, Histology and Embryology</i>		
Nicholson, J. A., M.A., Ph.D., M.Vet.Sc.		Prof.
<i>Veterinary Surgery and Obstetrics</i>		
McGeady, P. A., M.Vet.Sc.		Prof.
Staff of Assistants and Demonstrators in all Depts.		

GENERAL INFORMATION

The College was constituted by Royal Charter in 1909. LIBRARY, 90,000 vols.

Under the University Education (Agriculture and Dairy Science) Act 1926 of the Irish Free State the functions of the Royal College of Science for Ireland have been transferred to Univ. Coll., Dublin. For the conditions of transfer, see *Yearbook*, 1929.

The LABORATORIES are fitted throughout with all modern appliances. Facilities for technical research in all branches of Chemistry, e.g. extraction of metals, production of metallic alloys, glazes, enamel, glass, pigments, paints, coal-tar derivatives, peat products, synthetic drugs. Engineering Pattern Shop, Foundry, Smithy, Machine Shop; examples of types of engines aggregating 700 H.P. Hydraulics and Hydraulic Machinery Labs. Testing Machines recording up to 100 tons. Elect. Engin. Labs. with D.C. and A.C. machines. Extensive Physics, Agric. and Nat. Sc. equipment.

COURSES are provided for the degrees of the N.U.I. in all Faculties.

FEES for tuition, including College fees, annual, for primary degree courses: Arts or Comm.—£30; Science, Engin., Archit., Agric.—£42; Law (in addition to Arts)—£22:10s.; Med. (including Hospl.), whole period—£350 approx.; Veterinary, whole period—£197:10s.

COLLEGE SCHOLARSHIPS, postgraduate in Arts or Science: 6 of £100.

RESIDENCE. Hostels for men and for women. Students are subject to supervision by Deans of Residence.

PUBLICATION. *Calendar*, Nov., 5s.

THE YEAR 1946-47

STUDENTS. Total: 3362; full-time: 3067; part-time: 295; the total includes 861 women and 325 postgraduates.

DEGREES OBTAINED. B.A., 212; M.A., 29; B.Com., 24; B.E., 55; M.E., 2; B.Arch., 19; LL.B., 6; B.Sc., 62; M.Sc., 15; D.Sc., 1; B.Agr.Sc., 24; M.Agr.Sc., 3; M.B., B.Ch., B.A.O., 124; M.D., 17; M.A.O., 2; M.Ch., 3; B.D.S., 11; B.Mus., 3; Ph.D., 4.

UNIVERSITY COLLEGE, CORK

Founded 1845

PRESIDENT—A. O'RAHILLY, M.A., D.Sc., D.Phil., D.Litt.

REGISTRAR—H. ST. J. ATKINS, M.Sc.

SECRETARY AND BURSAR—J. HURLEY, B.A., B.Comm.

LIBRARIAN—T. A. CONROY, M.A.

Telephone : Cork 1371.

TEACHING STAFF

<i>Accounting and Business Administration</i>	Porter, W. H., M.A. Dub.	Prof.
McCarthy, C. P., M.Comm., F.S.A.A.	<i>Dairy Science</i> , v. <i>infra</i>	Agric.
O'Mahony, W. J., B.Comm. Asst. 1 Demr.	<i>Dentistry</i> , v. <i>infra</i>	
<i>Agriculture</i> , v. <i>infra</i>	<i>Economics and Commerce</i>	
<i>Anatomy</i>	Busteed, J., M.Comm., F.S.S.	Prof.
MacConail, M. A., M.B., B.Ch., M.Sc.	Larkin, Rev. W. P., M.A., Ph.D. Lond., D.Econ.Sc.	Lectr.
Hamilton, W. D., B.Sc., M.D., M.Ch.	<i>Education</i>	
Donovan, E., M.D., M.Ch., M.A.O. Asst.	Vaughan, Frances M., M.A., H.Dip.Ed.	Prof.
Kelly, J., M.B., F.R.C.S.	Conlon, J., M.A., H.Dip.Ed. (in Irish)	Lectr.
<i>Archæology</i>	Duggan, Lucy M., M.A., H.Dip.Ed.	Asst.
O'Kelly, M. J., M.A.	<i>Engineering, Civil</i>	
<i>Architecture</i>	Walsh, H. N., M.E., D.I.C.	Prof.
Hill, H. H., B.A. Liv.	Coffey, Patrick, M.E.	Lectr.
<i>Botany</i>	<i>Engineering, Municipal</i>	
Sperrin-Johnson, J. C., M.A., M.Sc., M.B., D.Litt.	Farrington, S. W., B.A., M.E.	Lectr.
<i>Chemistry</i>	<i>English</i>	
Reilly, J., M.A. Camb., D.Sc. Geneva and Dub., H.Dip.Ed., F.R.C.S.I., F.R.I.C., F.I.P.	McCarthy, B. G., M.A., Ph.D.	Prof.
O'Cinnéide, R., M.Sc. (in Irish)	<i>French</i>	
Holland, A., M.Sc., Ph.D.	Servais, Yvonne, M.A.	Asste.
Aherne, J. C., M.Sc., Ph.D.	<i>Geology and Geography</i>	
<i>Classics</i>	O'Connell, C. S., M.A., B.Comm.	Lectr.
Treston, H. J., M.A., D.Litt.	<i>German</i>	
	Boyle, Mrs. Mary, M.A.	Prof.

History

Hogan, J., B.A., D.Litt.	Prof.
Pender, J., M.A. (in Irish)	Lectr.
Henley, Pauline, M.A.	Asst.

Irish Lang. and Lit.

Breatnach, R., M.A.	Prof.
Caomhánach, S., M.A., Ph.D.	Prof.
Cullinane, C., M.A.	Lectr.
Walsh, R. F., M.A.	Asst.

Irish Music

Neeson, S., B.A.	Lectr.
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Law

..... (C. Law, Real Prop. and Eq.)	Prof.
Murphy, C. K., M.A., LL.B., H.Dip.Ed. (Jur., Roman L. and Pers. Prop.)	Prof.

Mathematics

Atkins, H. St. J., M.Sc.	Prof.
Carey, T., M.A., Ph.D.	Lectr.

Mathematical Physics

McCarthy, M.D., M.A., Ph.D.	Prof.
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Medical Ethics

Bastible, Rev. J. P.	Asst.
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*Medicine and Surgery, v. infra**Music*

Fleischmann, A. G., M.A., B.Mus.	Prof.
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Philosophy

O'Mahony, Rev. J. E., M.A., D.Litt.	Prof.
Callaghan, Rev. John, M.A.	Asst.

Physics, Experimental [Prof.

McHenry, John J., M.A., D.Sc.	Lectr.
Kelly, C., M.Sc., Ph.D.	Asst.
O'Sullivan, Margaret, M.Sc.	Asst.

Physiology

Kane, F., M.D., D.P.H.	Prof.
O'Callaghan, D. J., M.D.	Asst.
Law, Mary, M.Sc.	Asst.

Romance Languages, v. also French

Byrne Costigan, Ethna, M.A., D. ès L. Paris	Prof.
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Sociology

O'Leary, Rev. J.	Lectr.
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Spanish

Healy, J. G., M.A., Ph.D.	Lectr.
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Zoology

Renouf, Louis P. W., B.A. Camb., Dip. Agric. Camb., D.Sc.	Prof.
Murphy, Marjorie, M.Sc.	Asst.

*Agriculture**Agriculture*

Boyle, C., M.A. Wisc., B.Sc., Ph.D. Lond., D.I.C.	Prof.
---	-------

Dairy Accountancy

Murphy, M., M.A., B.Comm.	Prof.
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Dairy Bacteriology

Grimes, M., B.Sc. Tor., M.Sc., Ph.D. Iowa	Prof.
---	-------

Dairy Chemistry

Pyne, G. T., B.Sc. Lond., M.Sc., Ph.D., F.R.I.C.	Prof.
McSweeney, D. T., M.Sc.	Asst.
Ryan, J. J., M.Sc.	Asst.

Dairy Engineering

McGrath, F. A., B.E.	Prof.
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Dairy Technology

Lyons, J., M.Sc.	Prof.
O'Shea, M. J., M.Sc. (Dairying), Ph.D.	Asst.

Medicine

(for subjects of first 2 yrs.—Anat., etc., v. *supra*)

Hygiene and Public Health

Saunders, J. C., M.B., B.Ch., B.A.O., D.P.H.	Prof.
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Materia Med.

Donovan, T., M.A., M.B.	Lectr.
McCarthy, D. F., M.B., B.Ch., M.A.O.	Asst.

Medical Jurisprudence

Riordan, M. J., M.B., B.Ch., M.A.O., F.R.C.S.I.	Lectr.
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<i>Medicine</i>		Folan, M. E., M.B., B.Sc.	Lectr.
O'Donovan, J. M., M.Sc., M.D., F.R.C.P.I.	Prof.		
<i>Mental Diseases</i>		<i>Surgery</i>	
Honan, B. F., D.P.M.	Lectr.	Kiely, P., B.Sc., M.D., M.Ch., F.R.C.S.	Prof.
<i>Obstetrics and Gynaecology</i>		Kiely, J., M.D., M.Ch., F.R.C.S.Ed.	Asst.
Kearney, J. J., M.D., D.P.H., F.R.C.S.Ed.	Prof.	<i>Therapeutics</i>	
Kearney, W., M.D., B.Ch., M.A.O.	Asst.	Loughnan, O. T. D., M.D.	Lectr.
<i>Ophthalmology and Otology</i>			
O'Hea-Cussen, V., M.B., B.Ch., B.A.O., D.O. Ox.	Prof.	<i>Dentistry</i>	
<i>Pathology</i>		Hackett, J. R., M.B., L.D.S. (D. Surg.)	Prof
O'Donovan, W. J., M.B., B.Ch., B.A.O., B.Sc., D.P.H. (Clin. P.)	Prof.	Roche, M.A., B.D.S. (D. Mech.)	Lectr.

GENERAL INFORMATION

Queen's College, Cork, founded in 1845, became a constituent College of the N.U.I. in 1908.

LIBRARY: over 200,000 vols., including the d'Arbois de Jubainville collection of Celtic works, the Sharman Crawford Library, the Wilson Historical Library, the Sexton Anglo-Indian Library. **MUSEUMS:** Archæol., Ethnol., Geol., Mineral., Nat. Hist., Med.

LABORATORIES. Agr., Biol., Chem., Engin. (Testing, 200,000-lb. machine, and Hydraulics), Geol., Physics, Medical School. **BOTANICAL GARDENS.** **OBSERVATORY** with 8" equatorial and 11" photo. telescopes, seismograph, and 4" siderostat.

Complete COURSES provided for all degrees and diplomas of the Univ., except 3rd and 4th yr. of B.Agr.Sc. course. Students are also prepared for the exams. of the Univ. of Lond. The Diploma in Dairy Science (2 yrs.' course) is necessary for all who wish to become creamery managers in Ireland.

FEES for tuition for complete degree course, including College fee: Arts, £75; Science, £108; Eng., £108; Med., £270, including Hospl. fees; Dentistry, £340, including Hospl. fees; Music, £54.

RESIDENCE. Honan Hostel for men (Warden: Prof. M. D. McCarthy), fee, £65 p.a.; La Retraite (charitable trust, R.C. only) for women (Warden: Rev. Mother Michael), fee 60 gs. p.a. Students are supervised by Officers of Residence.

EXTRA-MURAL WORK. Weekly Lectures to workmen.

PUBLICATIONS. *Calendar* (Easter), 6d.; *Cork University Record* (3 times yearly).

THE YEAR 1946-47

STUDENTS. Full-time: 1085, including 361 women and 97 graduates.

DEGREES OBTAINED. B.A., 45; M.A., 6; B.Comm., 33; B.Sc., 22; M.Sc., 7; B.E., 26; M.B., 48; M.D., 4.

UNIVERSITY COLLEGE, GALWAY

Founded 1849

PRESIDENT—V. Rev. PÁDRAIG DE BRÚN, M.A., D.Sc. (Vice-Chancellor).

REGISTRAR—Prof. J. MITCHELL, B.Sc., B.E., F.G.S.*

BURSAR—Prof. P. LARKIN, B.A., H.Dip.Ed.

Telephone : Galway 22.

TEACHING STAFF

<i>Anatomy</i>		<i>Engineering, Electrical</i>	
Shea, S., M.D., B.Ch., B.A.O.	Prof.	Ryan, E. R., B.Sc., M.E.	Asst.
<i>Archæology, Celtic</i>		<i>English Language and Lit.</i>	
Duignan, M. V., M.A., H.Dip.	Ed. Prof.	Murphy, J., M.A., Ph.D.	Prof.
<i>Chemistry</i>		<i>Geology and Geography</i>	
Dillon, T., M.A., D.Sc.	Prof.	Mitchell, J., B.Sc., B.E., F.G.S.	Prof.
Coll, Francis, M.Sc.	Lectr.	O'Buachalla, L., M.Comm., H.Dip.	Ed. Asst. (in Irish).
Ryan, M., M.Sc.	Asst.	<i>German</i>	
Russell, J., M.Sc.	Asst.	Shea, Mrs. Margaret M., M.A.	
Allen, L., M.Sc.	Asst.	<i>History</i>	
Lee, Elizabeth, M.Sc.	Asst.	O'Sullivan, Mrs. Mary J. D., M.A., D.Litt.	
<i>Classics, Ancient</i>		Kennedy, Sheila G., M.A., H.Dip.Ed.	
Fahy, Rev. T., M.A., B.D.	Prof.	Lectr. (in Irish).	
Heavey, Margaret M., M.A., H.Dip.Ed.	Lectr. (in Irish).	<i>Irish, Old and Middle, and Celtic Philology</i>	
Killeen, F., M.A.	Asst.	Ni Maol-Chroin, Caitlin, M.A., D.Phil., H.Dip.Ed.	
<i>Economics, Commerce & Acctcy.</i>		<i>Irish, Modern</i>	
McBryan, F., M.A., H.Dip.Ed.	Prof.	O'Raghallaigh, T., M.A., Ph.D., H.Dip.Ed.	
O'Buachalla, L., M.Comm., H.Dip.	Ed. Lectr. (in Irish).	O'Maille, T. S., B.A., Ph.D., H.Dip.Ed.	
<i>Education</i>		O'Broin, T. P., M.A.	
Larkin, P., B.A., H.Dip.Ed.	Prof.	de Búrca, S., M.A.	
MacFhinn, Rev. P. E., M.A., D.D., H.Dip.Ed.	Lectr. (in Irish).	<i>Law and Jurisprudence</i>	
<i>Engineering, Civil</i>		Gallagher, P. J., B.A., LL.B.	
Prendergast, W. H., D.S.O., B.E., B.Sc.	Prof.	<i>Mathematics</i>	
O'Connor, H. G., M.E.	Lectr.	Power, M., M.A., B.Sc.	
O'Lochlainn, P., B.E., M.Sc.	Asst.		

Newell, M., M.Sc.		Medicine	
	Lectr. (in Irish).		
Ryan, E. R., B.Sc., M.E.	Asst.	<i>Med. Jurisprudence and Hygiene</i>	
<i>Mathematical Physics</i>		.....	Lectr.
MacCionnaith, E., M.A., M.Sc.		<i>Medicine</i>	
	Prof.	O'Donnell, M. J., M.D	Prof.
<i>Medicine, v. infra</i>			
<i>Natural History</i>		<i>Mental Diseases</i>	
Dinan, T. J., M.Sc.	Prof.	McCarthy, C. J., M.B., D.P.H.	Lectr.
De Valera, Máirín, M.Sc., Ph.D.			
	Lectr.	<i>Midwifery and Gynæcology</i>	
Fitzgerald, Alma, M.Sc.	Asst.	MacLavery, R. A., M.B.,	
Corbett, Lucy, B.Sc.	Asst.	F.R.C.P.I.	Prof.
<i>Philosophy</i>		<i>Ophthalmology and Otology</i>	
O'Brien, Rev. F., Ph.D., D.D.,		O'Malley, C. C., B.Sc., M.D., B.Ch.,	
B.C.L. Rome, Lic. Sc. Hist.		B.A.O., D.O.M.S.	Prof.
Louvain	Prof.		
Nolan, Rev. Hyacinth, D.Phil.,		<i>Pathology</i>	
M.A.	Lectr.	.....	Prof
<i>Physics</i>		<i>Surgery</i>	
O'Brolchain, C., M.Sc., Ph.D.	Prof.	O'Malley, M. G., M.B., B.Ch.,	
Larkin, Declan M., M.Sc.	Lectr.	B.A.O., F.R.C.S.	Prof.
<i>Physiology</i>			
Donegan, J. F., B.Sc., M.B., B.Ch.,		<i>Therapeutics, Mat. Med. and</i>	
B.A.O.	Prof.	<i>Pharmacol.</i>	
<i>Romance Languages</i>		McDermott, E. N., B.Sc., M.D.,	
O'Brien, W., M.A.	Prof.	F.R.C.S.I.	Prof.

GENERAL INFORMATION

Queen's College, Galway, opened in 1849, became a constituent College of the N.U.I. in 1908.

LIBRARY: 80,000 vols. LABORATORIES: Physics, Chem., Biol., Physiol., Path., Geol., Engin. MUSEUMS: Nat. Hist., Archæol., Mat. Med., Gynæc., Anat.

DEGREE COURSES in Arts, Celtic, Science, Law, Med., Engin., Commerce. Courses for Diplomas in Educn., Irish Studies, Commerce.

Med. degree students are required to spend 1 yr. at a Metropolitan Hspl. after a 5 yrs.' course in the College and 2 yrs. in the Galway Hospitals.

FEES. College, £3: 10s. p.a. Inclusive approximate fee for complete Degree course: Arts, 3 yrs., £63; Science, 3 yrs., £84; Law, at least 6 terms after B.A., £48; Medicine, 6 yrs. (including 2 yrs.' General Hospital fees), £163; Engineering, 3 yrs., £84; Commerce, 3 yrs., £60. Post-graduate or research course, £15.

SCHOLARSHIPS open to students of the Coll. on graduation: 4 of £60.

RESIDENCE. The cost of board and lodging for a student varies from 35s. to 40s. a week. Every student is required to register under a Dean of Resi-

dence, who exercises supervision over the general conduct of students outside the precincts, and every woman student under a Lady Supt., who exercises supervision over their conduct within the precincts of the College.

There is a UNIVERSITY APPOINTMENTS BUREAU consisting of the President, the Deans of the Faculties and the Registrar.

PUBLICATIONS. List of licensed lodging-houses, free; *College Calendar* (1s. 4d.); Regns. for Degrees and Courses (8d.); Regns. for Scholps. and Diploma in Educn. (2½d.); Gaeltacht Scholarships (1½d.); Univ. Examn. Papers (post free, 1s. 8d.), from O'Gorman and Co., Galway.

THE YEAR 1946-47

STUDENTS. Full-time: 739, including 215 women and 54 postgraduates.

DEGREES OBTAINED. B.A., 47; M.A., 5; LL.B., 2; B.Sc., 7; M.Sc., 3; M.B., 21; M.D., 1; B.E., 37; B.Comm., 9.

CANADIAN UNIVERSITIES

In *Nova Scotia*: ACADIA, DALHOUSIE, KING'S COLLEGE, ST. FRANCIS XAVIER. In *New Brunswick*: NEW BRUNSWICK, MOUNT ALLISON. In *Quebec*: BISHOP'S COLLEGE, LAVAL, MCGILL, MONTREAL. In *Ontario*: MCMASTER, OTTAWA, QUEEN'S, TORONTO (including TRINITY COLLEGE and VICTORIA), WESTERN ONTARIO. *Western Provincial Univs.*: MANITOBA, SASKATCHEWAN, ALBERTA, BRITISH COLUMBIA.

GENERAL DESCRIPTION

[Contributed by A. Stanley Mackenzie, late President of Dalhousie University. Revised in 1940 by President Cody of the University of Toronto. An account by President Walter C. Murray, of the Univ. of Saskatchewan, of "University Development in Canada," is to be found in the *Trans. Roy. Soc. Can.*, Third Series, 1922, vol. xvi. See also his article on "State Support and Control of Universities in Canada," in *Trans. R.S.C.*, Sect. II., p. 19, 1925. See also "American Influence on the Higher Education of Canada," *Trans. R.S.C.*, Sect. II., 1930, by Sir Robert A. Falconer, President of the Univ. of Toronto, and by the same author, "Higher Education in Canada," in the *Book of Canada*, published by the Canadian Medical Association, Toronto, 1930, pp. 139-151.]

THE word "university" is used very loosely in Canada, and in the following sketch a number of institutions which are in reality Colleges will be referred to. In this book twenty-one are listed, twenty-seven in the *Canada Year Book*. It is probably not true to say that Canada has evolved a distinctive type of Univ.; and yet Canadian higher institutions of learning differ in many ways from the corresponding institutions in the British Isles and in the United States. One might divide Canadian Univs. into (1) those which are supported and controlled by a religious group: Laval, Montreal, Ottawa, St. Francis Xavier, St. Joseph's, by the Roman Catholics; King's, Bishop's, Trinity, by the Church of England; Mount Allison, Victoria, by the United Church of Canada (a union of former Congregationalists, Methodists, and part of the Presbyterians); Acadia, McMaster, by the Baptists; (2) those that receive State support and are subject more or less to State control: New Brunswick, Toronto, Manitoba, Saskatchewan, Alberta, British Columbia; and (3) those that are independent of Church and State and depend upon private benefactions: Dalhousie, McGill, Queen's, Western Ontario. (The two latter now also receive substantial State grants as do McGill and Bishop's for a term of years.) In order to understand, however, the great diversity among the various universities, even among those in any one group, some reference to the history of the rise and growth of university education in Canada must be made.

All the older Colleges, with the exception of Dalhousie and McGill, were established by the Churches, to meet the obvious need for native

ministers and teachers in a new and far-flung country. The next step was an appeal to the State, often to both the Local Government and the Home Government, for a grant-in-aid, which was usually made. As in practically all political divisions, except Quebec, there were other strong religious bodies besides the one which sought this grant, there was before long, in the nature of things, resentment by these other bodies, and religious and political strife was engendered. In many cases the College Question was inextricably mixed up with the struggle of the people for responsible government, for democratic rule instead of oligarchical Councils. The changes in the Universities run parallel in the main with the political development of Canada.

In classifying the Universities it is necessary to remember that one institution may find itself in different categories in the course of its development.

THE FRENCH COLLEGES. The oldest University in Canada is Laval, in Quebec City, growing out of the founding of a Seminary there in 1663. It is modelled after the French universities, and is a group of professional and graduate schools, and has wide degree-granting powers. There was for many years a branch of Laval in Montreal, but in 1920 it became a separate entity under the name of the University of Montreal. It, like Laval, is intimately associated with the Church, in the firm belief that education cannot be dissociated from religion. Both receive State aid, but are not under State control. The undergraduate work preliminary to these two Universities is done by twenty-four Classical Colleges scattered through the Province of Quebec. These give the Bachelor degree. These institutions have altered little in their general character with the changes in the political life of the Dominion. Ottawa combines the University and the Classical College and a bilingual normal school. Closely akin to the Classical Colleges of Quebec, but not associated with Laval and Montreal, is a group of Maritime colleges: St. Joseph's and St. Thomas' in New Brunswick, St. Mary's and St. Anne's in Nova Scotia, and St. Dunstan's in Prince Edward Island. St. Francis Xavier and Mt. St. Vincent, Halifax, recently chartered, are the only Roman Catholic colleges not of the French type, being more like the non-Catholic institutions.

The curricula of the French Colleges differ considerably from the corresponding colleges in the English-speaking parts of Canada, especially in science and mathematics.

THE KING'S COLLEGES. The next stage in the development of higher education in what is now Canada was due to the arrival of the Loyalists from the American colonies. Many of these people belonged to the Established Church of England, and, though intensely loyal to the Mother Country and intolerant of republicanism, were yet imbued with advanced ideas of independence and democracy, and immediately made their presence felt. They wanted not only educational advantages for their children, but they wanted educational institutions which would be under the Church of England, believing that loyalty to Britain was almost a monopoly of those of that faith. There was thus introduced into the educational movement a political factor which had far-reaching

consequences. The coming of the Loyalists led to the founding of what are called the King's Colleges. The first of them, and the only one which retains the name, was King's College, which was established at Windsor, Nova Scotia. In 1923 it removed to Halifax, and is intimately associated with Dalhousie. The nature of the association is that students in the Faculty of Arts and Science must register as students of the University, but may enrol as members of King's College, where they enjoy a corporate life similar to that of a college of Oxford. The students of the two institutions are a unit for instructional purposes (except for certain subjects of the freshman year, where the King's students form a section by themselves), and the teaching staffs paid from the funds of each institution, form a common Faculty. The University grants all degrees. The Faculty of Divinity of King's has no part in this association. The second King's College was established in 1800 as the College of New Brunswick, at Fredericton. On receiving a royal charter in 1828, it took the name of King's College (*v. infra*). The third King's College, Toronto, received a similar charter in 1827. The precursor of these three Colleges was undoubtedly King's College, New York, which, since the Revolution, has borne the name of Columbia University. All these Colleges were closely modelled after Oxford. The three Canadian King's Colleges practically all received grants, either in lands or money, or both, from the Imperial and Provincial Governments. In order to understand the cause of the educational struggles which took place in the first half of the nineteenth century it must be pointed out that their charters gave the control of these Colleges to a Board composed mainly of officials of the Crown and adherents of the Church of England. The Church had accordingly a controlling voice in the College, and claimed exclusive privileges. The College was in reality a private institution receiving State aid, and those who were not members of the Church of England, and they were in the majority, were thus taxed to support it and were cut off, in some cases entirely, from equal educational privileges. It is not difficult to see that this must inevitably have led to bitter controversy and strife. As the Governing Boards of the Colleges were largely identified with the oligarchical Governing Councils of the Provinces, it is evident also that the educational and political causes would be inextricably mixed in the struggle of the many against the exclusive rule of the few.

THE SCOTTISH TYPE. The third stage was ushered in by the insistence of other religious denominations upon equal rights with the Church of England in the control of colleges already established, or upon being allowed to have colleges of their own with government grants as in the case of the King's Colleges. The lead was again taken in Nova Scotia. Dr. Thomas McCulloch, a Scot and a Presbyterian, had instituted at Pictou early in the nineteenth century Pictou Academy, which, though without degree-granting powers, acquired a high reputation for the scholarship of the men who were trained there (one was Dawson, the great Principal of McGill University). In spite of the bitter opposition of Governor and Council he received a provincial grant for Pictou Academy in 1819. Similar attacks on the existing state

of affairs were made in New Brunswick and Ontario. About this time Lord Dalhousie entered the arena, and, by the founding of Dalhousie College, broke the exclusive circle of King's Colleges. During the war with the United States in 1812-14, the Province of Nova Scotia, of which he was then the Lieutenant-Governor, became possessed of a sum of about £11,000, seized from the American Customs during the war of 1812-14, which he used to found a college which was to be a direct protest against sectarianism and special privilege. By its Charter it was to be "open to all occupations and sects of religion." It was also to be "on the same plan and principle as that of Edinburgh." Its founding in 1818 marks, therefore, one of the most important points in the development of Canadian higher education, the introduction of the Scottish type of university, where learning and scholarship were accented rather than the fine art of living, and where residential life was not looked upon as essential. Lord Dalhousie made one great mistake; he placed his infant college in the hands of some of the same officials as were on the Board of King's College, and they kept its doors shut for twenty years. Their hands were forced, however, in 1838, and Thomas McCulloch became its first President. On his death, in 1843, the college was again closed, as the necessary financial support was not forthcoming, and it remained closed until 1863, when the spirit of union was taking hold of Canada in educational as well as political matters. The early history of McGill University is very similar to that of Dalhousie. It received its first charter, a Provincial one, in 1801, as the Royal Institution for the Advancement of Learning. As McGill College, it received a Royal Charter in 1821, subsequent to a bequest of land and the sum of £10,000 by James McGill, a Scottish resident of Montreal and brother-in-law of John Strachan. It was also non-sectarian and modelled on Edinburgh. For a number of years it had a very precarious existence, and was not able to live up to the hopes of its founder. With the appointment of Dawson as its Principal in 1855 began its rapid and brilliant career. Queen's (*v. infra*) is the third of the Canadian universities of the Scottish type, at first under Presbyterian control but now non-sectarian on the Arts and Science side.

THE DENOMINATIONAL COLLEGES. There followed in rapid succession the establishment of purely denominational colleges, and it is interesting to note that this was during a period of most intense political strife. Baptists founded Acadia, at Wolfville, N.S., in 1838; Methodists, Mount Allison, at Sackville, N.B., in 1858; Scottish Roman Catholics, St. Francis Xavier, at Antigonish, N.S., in 1855; French Roman Catholics, St. Joseph's, at Memramcook, N.B., in 1864; not to mention others which have since lost their identity. All these are in the Maritime Provinces. In Ontario were founded Victoria, at Cobourg, by Methodists, in 1841; Queen's, at Kingston, by Old Kirk Presbyterians, in 1842; Knox, at Toronto, by Free Presbyterians (now purely a Divinity School), in 1843; McMaster, at Toronto, by Baptists, in 1877; Trinity, at Toronto, by Anglicans, in 1851; and Ottawa, by Roman Catholics, in 1849. In Quebec we find Bishop's College, founded in 1843, by the Anglicans. These denominational colleges demanded, and in most cases

received, a share of State aid. In time the obvious wastefulness of this use of State money led to its discontinuance, and also led to efforts to find a better basis for higher education.

THE ATTEMPTS FOR UNION. From 1841, when the union of Upper and Lower Canada took place, to 1867, when the Dominion of Canada was formed, the spirit of union was abroad, and following this period we see a uniting of various subdivisions of Presbyterians and again of Methodists. Efforts to unite groups of colleges are much in evidence during this period. Efforts to unite Dalhousie and King's in Nova Scotia, which had begun in 1823, and which had been renewed many times, failed until 1923. The co-operation of Presbyterians and Congregationalists, who closed their own small Arts Colleges, enabled Dalhousie to reopen its doors in 1863. Several attempts to bring about a federation of the colleges in Ontario begun in 1843 failed until 1887.

THE LONDON UNIVERSITY TYPE. One of the many schemes of union proposed was the foundation of universities on the model of the University of London, with only examining and degree-conferring powers, which powers the constituent colleges were to hold in abeyance. An effort to initiate such a university in Toronto, in 1853, failed. So did the proposed founding of the University of Halifax, in 1876, fail. A similar effort in Winnipeg succeeded. The University of Manitoba, thus established, passed from being a "paper" university to the giving of instruction, first in Science, then in some departments of Arts also, then to the possession of professional schools, and finally to the full status of a State University.

THE FEDERATED UNIVERSITIES. Federation has been one of the most distinctive and beneficial academic efforts in Canada.

(a) Of the Federated Universities the chief and most characteristic type is seen in the University of Toronto. A brief sketch of its history may serve to bring out the various stages through which the Canadian problem of higher education passed, and show the interesting form of federation which has proved so successful there. As stated above, King's College, Toronto, was given a Charter in 1827. It received a grant of land and was under sectarian control, that of the Church of England. In 1837 its Charter was amended by modifying in some degree this Church control. Then followed the foundation of Victoria, Queen's and Knox (*v. supra*). King's was opened in 1843. Protests from other denominations brought about its secularization in 1849, its name being changed at the same time to the University of Toronto, and its control vested in the State. The Faculty of Divinity was abolished, and all denominational colleges were to be admitted to affiliation only as Divinity Schools. This refusal to recognize denominationalism in education led to the founding of still more colleges (Trinity by the Anglicans, in 1851, St. Michael's by the Roman Catholics, in 1852, and McMaster by the Baptists, in 1877, all in Toronto),¹ and to the continued opposition of Queen's and Victoria. In 1851 another change was made, using the University of London as a model. All teaching work was withdrawn from the University, this being relegated to affiliated colleges. For this purpose

¹ McMaster removed to Hamilton, July 1930.

a new body was formed, University College, and the Faculty of Arts transferred to it, and the Faculties of Law and Medicine discontinued. The University was to manage the finances, conduct examinations and confer degrees. The teaching was to be done by Federated Colleges, of which University College was to be the first. It was to be undenominational. The denominational colleges did not enter into the scheme, and it failed to bring about the federation which was hoped for. Various causes led to the federation of 1887. In the first place, the Government withdrew in 1868 its grants to the denominational colleges. In the second place, the growth of science and the introduction of the conception of research and postgraduate work into the universities increased enormously the cost of maintaining educational institutions. The University of Toronto (and University College) felt the pinch equally with the denominational colleges, for its only source of revenue was from the Crown lands with which King's had been originally endowed. It accordingly applied to the Legislature for a grant from the Provincial Treasury. The competing denominational colleges strenuously objected to this. But the spirit of union in Canada, which showed itself in the political union of 1867, was called upon, and not in vain, for in 1887 a scheme of federation was accomplished. The essence of the scheme is a group of Arts or Divinity Colleges gathered about a central University, supported and controlled by the State, the University conducting examinations, conferring degrees (except in Divinity), and giving the instruction in those branches of learning which are costly to conduct, or are taken by only a few students, or are professional in character. The division of subjects between the constituent Colleges and the University was set forth in the Act of 1887, but provision was made for change as future needs should dictate. Provision was also made for the affiliation of purely Divinity Schools like Knox and Wycliffe. All these constituent Colleges and Divinity Schools were given representation on the governing bodies of the University. Victoria and St. Michael's and Trinity entered the federation, the first moving from Cobourg to Toronto in order to do so; but Queen's and McMaster elected to remain independent. The University is operating to-day under the Act of 1906. The chief change from the Act of 1887 which need be referred to in this sketch is that the University is no longer administered through a department of Government, but by an independent Board of Governors appointed by the Lieutenant-Governor in Council. Moreover, academic appointments can be made only on the nomination of the President of the University. By these means the University was removed from the suspicion of political and sectarian interference, and a high character in its academic staff assured. Its organization thus combines the organization of the American State Universities into Faculties with the English organization of Colleges in the Faculty of Arts, of which there are four—University College (the State College), Victoria (United Church), Trinity (Anglican) and St. Michael's (Roman Catholic).

(b) Manitoba was in 1907 reconstituted on the lines of the Toronto federation and has now various Faculties and constituent Colleges in the Faculty of Arts, together with affiliated Divinity Colleges.

(c) The University of Western Ontario grew out of an institution under Anglican control with a charter granted in 1878. By amending acts it is now undenominational and is supported by municipal and provincial grants. It has three institutions (two Roman Catholic and one Lutheran) affiliated with it giving a 4-year Arts course, and one Divinity College (Huron-Anglican).

THE PROVINCIAL UNIVERSITIES. It remains to deal in general with the State University, that is, the type of university supported and controlled by the State. The oldest of these is the University of New Brunswick, chartered as King's College, Fredericton, in 1828, under the control of the Church of England. It received its present name in 1859, when it was secularized and put under the direct control of the Department of Education of the Government of the Province, and, at the same time, given very modest financial support. The form of State University developed in Ontario has already been described. The four Western Universities are, however, those which have carried to its completion the State University idea. This idea is that the State must provide and support university education for all its people, irrespective of the part which may be played by private interests, whether ecclesiastical or otherwise. The idea carries the corollary of State control. It is a natural extension of the idea of free schools, which were established in Nova Scotia in 1864 and in Ontario in 1871, and carries to its logical conclusion the doctrine of democratic government, that all its citizens must be educated. Closely associated with the idea of the State University is the conception that the University must return service to the State. The governments expect to call for and to receive guidance and expert advice from the academic staff of the University, and look to them for the study and investigation of the natural resources of their Provinces. The Universities also carry the knowledge so acquired to every portion of the Province through a highly organized form of Extension service. In the four Western Provinces, Manitoba, Saskatchewan, Alberta and British Columbia, the respective governments have carried this idea to its logical conclusion by confining to the State University the power of conferring degrees. The constitutions of these four Universities are modelled so largely upon that of Toronto that it is unnecessary to refer to them in detail. Manitoba University is very like Toronto in that it has constituent Arts Colleges, as well as affiliated Divinity and Junior Colleges; the same thing is taking place in the other three. Notwithstanding the youth of these Universities (Alberta opened in 1908, Saskatchewan in 1909, Manitoba in practically its present form in 1907, and British Columbia in 1915), they have all grown to be strong, vigorous institutions serving well their constituencies.

There is no degree-granting educational institution in Newfoundland, but a Junior College has been organized at St. John's for the first two years of the work for the Arts degree.

ADMISSION TO UNIVERSITIES. Students may qualify for entrance to Canadian Universities by writing and passing examinations conducted either by the individual Universities or by the Provincial Departments of Education, provided that the subjects offered are those the Universities

require and the marks are high enough. Generally speaking, there are two examinations in each Province, known respectively as Junior Matriculation and Senior Matriculation. The latter represents an additional year of school work and is recognized under appropriate circumstances by the majority of Universities as the equivalent of the first year of a four-year course towards a Bachelor's Degree in Arts or in Science. Some Universities, however, including Toronto, Alberta and Queen's, require Senior Matriculation for admission into Arts or Science and then offer a three-year course leading to a Pass Degree, and a four-year course leading to an Honours Degree.

For Engineering the usual requirement is Senior Matriculation with strength in Mathematics, Physics and Chemistry.

The Medical Course usually occupies seven years from Junior Matriculation or six years from Senior Matriculation. The first three years of the seven-year course are spent in Arts or Science where the pre-medical sciences, Physics, Chemistry and Biology, are taken. After this the Medical Course occupies four years and is followed by a compulsory intern year in a recognized hospital.

The course in Law occupies three years, but at least two years of university work are required for admission to legal studies.

ARTS COURSE. Speaking very generally, one can say that about one-half of the course for the degree of B.A. is prescribed and the other half elective; but these elective subjects are commonly to be distributed among certain broad groups of allied subjects in a specified way, varying with the individual Univs. The prescribed work includes English, History, one or two foreign languages, Philosophy, Mathematics and Science.

A feature of Canadian Univs. which distinguishes them from the typical Univs. of the United States is the provision made for the ambitious student and the student who wishes to specialize during his course for the Bachelor degree. This is accomplished by the provision of the system of Honour courses. In this system a student who shows the necessary aptitude is permitted to take special classes, which in some instances are in extension of the regular classes, and in other cases are restricted to Honour students. In some Univs. the Honour classes are confined to the third and fourth years of the course; in others, as in the case of Toronto, they are given in all four years. In general, also, the number of prescribed classes is reduced, so that the student not only goes more deeply into each subject, but specializes to a greater extent than the Pass man is allowed to do. On the completion of an Honour course the student receives a degree with Honours. No small measure of the academic success of Canadian students in postgraduate work in home and foreign Univs. is to be attributed to this system.

By a proper combination of studies a student can, in most Universities, complete a combined course for the degree in Arts or Science and that in a professional faculty in a year less than the sum of the years required for each.

LENGTH OF SESSION. The Canadian Univs. open about the end of September and close in May or early in June. The average length of

the session is $32\frac{1}{2}$ weeks for all faculties, except those of Medicine and Dentistry, which are about 6 weeks longer. Of the $32\frac{1}{2}$ weeks, 26 are given up to actual lecturing, and the remainder to vacations, examinations and closing exercises.

The Universities of English-speaking Canada are co-educational. Most of them have residences for women, often finely equipped. Residential accommodation for men is less adequate, but is being gradually provided. The existence of fraternities has possibly delayed this provision.

Social and athletic activities flourish reasonably. Hart House, the generous gift of the Massey Foundation to the University of Toronto, provides a beautiful home for such activities for men. The physical health of students is supervised and a measure of athletic exercise is recommended or in some institutions is compulsory. The extreme devotion to games, in which some American Universities indulge, is not found in Canada. The Canadian student as a rule has no superfluity of money: he must make the most of his opportunities and must work diligently. His academic work must dominate his sport and social life.

NOVA SCOTIA TECHNICAL COLLEGE, HALIFAX. This institution represents the principal direct effort of the Province in education of University grade. It is supported entirely from provincial revenues. Through a co-operative agreement, a uniform Engineering course covering the work of the first, second and third years is carried out in the Univs. of Acadia, Dalhousie, King's, Mount Allison, St. Francis Xavier, St. Mary's College, and Memorial Univ. Coll., Newfoundland. On successful completion of this course, the student proceeds to the Technical College without examn. for the professional work of the last two years of the 5 yr. course. Here the studies are differentiated and the student selects either Civ., Elect., Mech., Mining, or Chem. and Metallurgical Engineering. The degree given is that of B.E. A dept. of graduate studies offers courses of graduate work in co-operation with industries and government laboratories. The Coll. is equipped for teaching the engineering courses, commercial testing of industrial materials and natural resources, and for scientific research. Tuition fees: \$150 p.a. Twenty county scholarships equivalent to 1 yr.'s tuition are available for Nova Scotians. The buildings and equipment represent a provincial investment of about \$600,000.

In other Canadian Provinces the work of such an institution is carried on by a Faculty of Engineering or Applied Science in connexion with the Universities.

THE CARNEGIE FOUNDATION FOR THE ADVANCEMENT OF TEACHING, 522 Fifth Avenue, New York City. The object of the Foundation, which was established in 1905 with resources which now amount to more than 15 million dollars, is to provide retiring allowances and pensions, and, "in general, to do and perform all things necessary to encourage, uphold, and dignify the profession of the teacher and the cause of higher education." It operates both in the U.S.A. and in Canada. The list of those eligible to receive retiring allowances and pensions from the Foundation includes the following classes of persons: (1) A person in an institution on a specified list who (a) is 65 years of age and has served not less than 15 years as professor, or not less than 25 years as instructor or as prof. and instr., or (b) has served 25 years as prof. or 30 years as instr. or as prof. and instr., and who is shown by medical examn. to be entirely unfitted by disability for continuing the work of teacher; (2) a widow who has for

10 years been the wife, married before retirement, of any teacher of class (a) or (b). The direction of the Foundation is entrusted to a board of 25 trustees, mostly university and college presidents.

The list of institutions enjoying privileges under the rules of the Foundation includes ALBERTA, BRITISH COLUMBIA, DALHOUSIE, MCGILL, MANITOBA, QUEEN'S, SASKATCHEWAN, and TORONTO. Up to June 1947, 4338 allowances and pensions had been granted, including 234 in Canada and 5 in Newfoundland. Total expenditure for allowances and pensions had exceeded \$51,975,000.

In addition to its work in connexion with the payment of pensions the Board of Trustees has undertaken the issue of various publications and their free distribution. Among these are bulletins on Medical Education in Europe, Education in the Maritime Provinces of Canada, Games and Sports in British Schools and Universities, and the Quality of the Educational Process in the United States and Europe.

NATIONAL CONFERENCE OF CANADIAN UNIVERSITIES. President for 1947-1948—President N. A. M. Mackenzie, C.M.G., LL.D., F.R.S.C., of the University of British Columbia.

The nineteenth meeting of the Conference was held at the University of Toronto on June 9th-11th, 1942. The twentieth meeting was held at McMaster University, Hamilton, Ontario, on June 12th-14th, 1944. The twenty-first meeting was held at Laval University, Quebec, on June 14th-16th, 1945. The twenty-second meeting was held at the University of Toronto on May 27th-29th, 1946. The twenty-third meeting was held at McGill University, Montreal, on May 22nd-24th, 1947.

Throughout the period of the War the Conference was frequently consulted by the Federal Government on matters affecting higher education. In the Department of Labour a University Advisory Board was set up on which the Conference was represented, and no decision was taken by the Government with regard to Military Training in the Universities or with regard to the calling up for Military Service of University undergraduates without the knowledge and approval of the Advisory Board.

The reports of the meetings of the Conference may be obtained from the Secretary-Treasurer, c/o The Registrar, McGill University, Montreal, P.Q.

STATISTICAL TABLES relating to Canadian Universities and Colleges are published by the Dominion Bureau of Statistics, Ottawa, in its Annual Survey of Education in Canada, price 50 c.

ACADIA UNIVERSITY

WOLFVILLE, NOVA SCOTIA

Founded 1838

PRESIDENT—WATSON KIRKCONNELL, M.A., Ph.D., LL.D., F.R.S.C.

CHAIRMAN OF THE BOARD OF GOVERNORS—M. R. ELLIOTT,
B.A., M.D. Harv.

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BURSAR—H. K. MOSHER.

LIBRARIAN—M. P. BOONE, M.A., B.L.S.

TEACHING STAFF

Art, v. infra School of Fine Arts

Biology

Perry, H. G., M.A. Harv., D.Sc.

C. F. Myers Prof

Bayne, P. McE., M.A. Tor. Prof.

De Witt, C. E. A., B.A., M.D.,
C.M. McG.

Med. Officer and Instr.

Archibald, K. D. A., M.A. Ohio
State Assoc. Prof.

Bishop, C. J., Ph D. Harv.
Assoc. Prof.

Smith, E. C., Ph.D. Harv.
Assoc. Prof.

Chemistry

[Wallace Prof.

Hill, D. U., M.A., Ph.D. Yale

Small, C. W., M.A. Tor.
Assoc. Prof.

Linton, E. P., B.Sc., Ph.D. Tor.
Asst. Prof.

Vincent, D., M.Sc. Tor. Instr.

Classics

Thompson, W. H., M.A., Ph.D.
Yale Barss Prof.

Economic Science

[Asst. Prof.

Mosher, J. I., M.A. Harv.

Cunningham, W. B., B.A.I. Instr.

Education

Marshall, M. V., M.A., D.Ed.
Harv. Prof.

Grant, Marion E., M.A., D.Pæd.
Tor. Asst. Prof.

Engineering

Cain, B. N., B.E., N.S. Tech. Coll.
I. Curry Assoc. Prof.

Spence, G. D., B.Sc. Asst. Prof.

De Wolfe, E. L., B.E. N.S. Tech.
Coll. Instr.

English Lang. and Lit.

Rhodenizer, V. B., M.A., Ph D.
Harv. Morse Prof

Thomas, H. F. S., M.A. Tor.,
Ph.D. J. Hop. Prof.

Sipprell, H. F., M.A. Harv.
Asst. Prof.

Orchard, E., M.A. Instr.

Geology

Bancroft, M. F., M.A. Yale
King Prof.

Cameron, H., M.Sc. McG. Instr.

German

Ross, Roy, M.A. Yale Prof.

History

Dadson, T. M., M.A., Ph.D.
Chicago Curry Prof.

- Longley, R. S., M.A., Ph.D. Harv. Instr.
Alumni Prof.
- Howe, J. E., M.A. Yale Asst. Prof.
- MacLean, A. H., Ph.D. Camb. Asst. Prof.
- Household Science*
- MacMillan, Elizabeth, B.Sc. (H.Ec.), M.Sc. Cornell
Dean of School of H. Sci.
- O'Blenes, Clarabel, M.Sc. Col. Asst. Prof.
- Shand, Katherine, B.Sc. Instr.
- Robinson, Mary, B.Sc., B.A. Instr.
- Magee, Elizabeth, B.Sc. Instr.
- Wade, Charlotte, M.A.
- Meadows, Mildred, B.Sc. Asst. Dietitian.
- Library Science*
- Boone, M. P., M.A. Asst. Prof.
- Mathematics*
- MacPhail, M. St. J., D.Phil. Ox. White Prof.
- Rothberger, F., Ph.D. Vienna Asst. Prof.
- Haley, D. K., M.A. Stanford Asst. Prof.
- Snow, D. O., M.A. Asst. Prof.
- Robinson, E. W., M.A., D.C.L. Asst. Prof.
- Osteology and Physiology*
- De Witt, C. E. A., B.A., M.D., C.M. McGill Instr.
- Physical Education*
- Kelly, F. G., B.A. Asst. Prof.
- MacKinnon, Margaret, B.P.E. Instr.
- Geary, Geo., B.P.E. Instr.
- Physics*
- I. Curry Prof.
- Noble, W. J., M.Sc. McG. Asst. Prof.
- Allen, S. J. M., Ph.D. J. Hop. Instr.
- Hibbard, R. G., B.Sc. Instr.
- Psychology*
- Vernon, W. H. D., B.A. Qu., M.A. Harv. Asst. Prof.
- Romance Languages*
- Massey, E. R., M.A. Brown Prof.
- Hilborn, H. W., M.A., Ph.D. Tor. Assoc. Prof.
- Payzant, E. R., B.A. Instr.
- Theology*
- Biblical Literature and Interpretation*
- Lumsden, C. B., B.A., B.D., Ph.D. Yale Assoc. Prof.
- Levy, G. E., Th.D. Lectr.
- Church History*
- Whidden, E. MacD., M.A., B.D. Assoc. Prof.
- Philosophy and Systematic Theol.*
- Fraser, R. MacG., M.A., B.D., Ph.D. Yale Assoc. Prof.
- Practical Theology*
- Warren, G. C., B.A., D.D. Armstrong Assoc. Prof.
- School of Fine Arts*
- Art and Aesthetics*
- Beals, Helen, M.A. Asst. Prof.
- Music*
- Collins, E. A., Mus.B. Camb., F.R.C.O. Dean and Prof.
- Thompson, Mrs. W. H. Instr.
- Hibbard, Olive Instr.
- Noble, Mrs. W. J., Mus.B. Instr.
- MacDonald, Ruth B. (Voice) Instr.
- Crocker, Phyllis, Mus.B. (Piano, etc.) Instr.
- Morgan, Ruth (Voice) Instr.

GENERAL INFORMATION

Founded in 1838 by the N.S. Baptist Educational Society, Acadia College was incorporated in 1840 by Act of the N.S. Legislature, with the powers of a

University and the name changed to Acadia University by an Act of Legislature in 1891. Endowment, \$1,200,000, Physical Plant, \$2,106,041.28. The Board of Governors is appointed by the Baptist Convention of the Maritime Provinces, but the students are subject to no religious tests.

LIBRARY: 87,000 vols. **MUSEUMS:** Biol., Ethnol., Geol., Hist. **LABORATORIES:** Biol., Chem., Geol., Physics, Engineering, Household Economics. **OBSERVATORY:** Meteor. and Astron.

DEPARTMENTS. Arts and Sciences, Theology, Applied Science, Household Economics, Music, Education.

DEGREE COURSES. 4 yrs.—B.A., B.Th., B.Sc., B.Sc. (Hd. Ec.), B.Mus.; 1 yr. (graduate study)—M.A., M.Sc., M.Mus.; 3 yrs. (graduate study)—B.D. The Diploma Engineering courses entitle students to enter the Nova Scotia Tech. Coll. without examination, v. p. 492. They also enable students to enter the 3rd year classes of McGill Univ. Diploma courses in Household Science, Music, Engineering, Secretarial Science and Junior Arts, and Pre-Medical, Pre-Dental and Pre-Law courses, are also provided.

FEES for tuition, annual: \$205-\$265. Board provided at \$11.00 per week, including room. Annual inclusive cost about \$560-\$625.

RESIDENCE. College hostels provide accommodation for 450 men and 250 women; University Dining Halls; capacity, 1000.

SUMMER SCHOOL. Organized in 1933 to provide courses of study for teachers of the province wishing to qualify for Master's degree, which is a necessary qualification for academic licence issued by Dept. of Education of Nova Scotia. Four summer sessions are required as equivalent of one full academic year. All the work for Master's degree must be carried out in one dept. Classes are also offered in undergraduate work and to a limited extent in elementary foreign languages and elementary maths.

EXTRA-MURAL WORK. Some courses by correspondence study method, not to exceed the full equivalent of one year's work.

PUBLICATIONS. *Bulletin*, 25 cents p.a.; *Calendar* (July); *Students' Year Book* (May); *Athenaeum* (weekly, Oct. to May).

THE YEAR 1946-47

BENEFACTIONS. \$90,223.94.

NEW BUILDINGS. The War Memorial Residence, costing \$300,000, has been completed and is already in use. Five buildings, purchased from the Department of National Defence, have been moved a distance of 8 miles and are being erected for temporary use at the Univ.

SUMMER SCHOOL. 11 graduate and 151 undergraduate students. Degrees awarded: M.A., 2; M.Sc., 1; B.A., 8; B.Sc., 3; Certificates in Engineering, 3; Secretarial, 1.

RESIGNATIONS. Dr. L. P. Geldart, to continue studies in Geophysics.

HONORARY DEGREES. *D.C.L.*—Rev. M. E. Aubrey, London, Eng.; Mrs. M. K. Ingraham, Paradise, N.S. *D.Mus.*—Wm. L. Wright, Brandon, Man. *M.A.*—Margaret R. Lynds, Moncton, N.B.

STUDENTS. Full-time: 900, including 33 graduates. Part-time: 21.

DEGREES. B.D., 6; B.A., 52; M.A., 3; B.Ed., 7; B.Sc., 31; B.Sc. (H. Econ.), 17; M.Bac., 2; Engineering Certif., 17; Dipl. (H. Econ.), 2; Licentiates in Music, 2; Dipl. in Secretarial Science, 15.

UNIVERSITY OF ALBERTA

EDMONTON

Founded 1906

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Meikle, J.

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Bacteriology, v. Med.

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(Russian) Asst. Prof. Primeau, Marguerite, B.A.

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Agr. Engineering

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Breeding) Prof.
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Lond. (Horticulture)
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Soils

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Engineering

- v. also Research Council of Alberta
and Industrial Laboratories

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Washington Prof.
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M.Sc. Prof.

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McG., D.L.S.
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(Highway E.) Sp. Lectr.
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McPherson, F., B.Sc.
(Civil E.) Lectr.
McManus, R. N., B.Sc.
(Civil E.) Lectr.
Panar, D. (Mech. E.) Sessl. Lectr.
Kasten, H. L., B.Sc.
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Sessl. Demrs.

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- (for subjects of first 2 yrs.—Anat.,
etc., v. *supra*)

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C.M. Qu. Instr
Oswald, J. McD., M.B. Tor.
Hon. Instr

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Can.
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Little, G. M., M.D. Manit, D.P.H.
Tor. (Public Health) Lectr.
Keeping, Eleanor S., Ph D. Manit,
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Schrag, A. R., M.D.
(Mental Hyg.) Instr.
Somerville, A., M.A., M.D. Manit.
(Hyg.) Instr.
McAlister, W. J., M.C., M.D.,
C.M. McG.
(Mental Hyg.) Hon. Instr.

Dermatology

Orr, H., O.B.E., M.B., D.P.H.
Tor., F.R.C.P. Can.
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Rentiers, P., M.Sc. Minn., B.Sc.,
M.D. Instr.

Medicine and Clinical Medicine

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Huckell, R. G., M.D., C.M. McG.,
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Pathology

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Instr.
Sereda, M. M., M.D. Instr.

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Wholey, M. Sessl. Instr.

Psychiatry

- McLean, R. R., M.D. Clin. Prof.
McAlister, W. J., M.C., M.D., C.M.
McG. Hon. Instr.
McCullough, D. L., B.A., M.D.,
B.C.L. Trin., D.P.M. Eng.
Hon. Instr.

Radiology

- Proctor, R., M.D. Manit. Lectr.
Malcolmson, P. H., M.D. Tor.,
B.A. Instr.
Mallett, M., M.D., C.M. McG.
Instr.
Clare, R. McC., M.D. Asst. Instr.

Surgery and Clinical Surgery

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F.R.C.S. Can.
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F.R.C.S. Lond. (Clin. S.)
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B.A. (Clin. S.)
Bridge, J. W., M.B.E., B.A. Br.
Col., M.D. (Clin. S.)
Eadie, W. W., M.D. (Clin. S.)
Geissinger, M. E., M.D., F.R.C.S.
Can. (Clin. S.)

Gourlay, W. N., M.D., F.A.C.S.
 (Clin. S.).
 Hardy, A. W., M.D. (Clin. S.).
 Hitchin, E., M.D. (Clin. S.).
 Mousseau, L. P., M.D. Montr.
 (Clin. S.).
 Orobko, J., M.D., C.M. McG.,
 F.A.C.S. (Clin. S.).
 Shandro, W. A., M.D., C.M. McG.,
 F.R.C.S. Can. (Clin. S.).
 Weinlos, M., B.A., M.D., F.R.C.S.
 Ed. (Clin. S.).
 Conroy, F. D., M.D. (Urol.).
 Richard, H. L., M.D. (Clin. S.).
 Meltzer, H., M.D. (Clin. S.).
 Morton, G. K., M.D.
 (Clin. S.) Hon. Instr.

Therapeutics

Bell, I. R., B.A., M.D. Tor.,
 F.R.C.P. Can. Prof.

Dentistry

Hamilton, W. S., L.D.S., D.D.S.
 Tor
 Dean, Fac. of Dent., Prof.
 Gilchrist, H. A., D.D.S. Northwn.,
 F.A.C.D.
 (Prosthetic D.) Hon. Prof.
 Maclean, H. R., D.D.S. (Oper. D.)
 Prof.
 Neilson, J. W., B.A. Sask., D.D.S.,
 M.Sc. Dent. Mich.
 (Prosthetic D.) Assoc. Prof.
 Calhoun, W. P., B.A. Acadia,
 D.D.S. (Oper. D.) Asst. Prof.
 Mason, A. B., D.D.S. Penn.
 (Peridontia) Asst. Prof.
 Rooney, R. A., D.D.S. Valparaiso
 (Prosthetic D.) Assoc. Prof.
 Fraser, S. D., D.D.S.
 (Prosthetic D.) Asst. Prof.
 Quigley, W. A. E., L.D.S., D.D.S.
 Tor., M.S. Mich.
 (Orthodontia) Asst. Prof.
 McEwen, R. A., D.D.S.
 (Prosthetic D.) Asst. Prof.

Lecturers

Cobbledick, D. W., K.C., LL.B.
 (D. Jurispr.)
 Hawkins, J. D., D.D.S.
 (Oral Anat.)
 Orobko, W., B.Sc., D.D.S.
 (Oper. D.) Lectr.
 Webber, W. E., D.D.S., L.D.S.
 Tor. (Prof. Ethics) Lectr.
 McLean, J. D., D.D.S. Tor.
 (Prosthetic D.) Lectr.
 Brass, G. A., D.D.S., B.S.D.
 Northwestern
 (Oper. D.) Lectr.
 Cameron, R. B., D.D.S., L.D.S.
 Tor. (D. Therap.) Lectr.
 Kendal, P. J., D.D.S.
 (Oral. Surg.) Instr.

Hon. Members

Clay, J. W., L.D.S. W. Ont., D.D.S.
 Penn. and Tor., F.I.C.D.
 (Exodontia).
 M'Intyre, R. R., L.D.S., D.D.S.
 Tor. (Orthodontics).
 Husband, C. D., D.D.S.
 (Local Anæsthesia).
 Ness, H. B., D.D.S. Minn., L.D.S.
 Sask.
 (Crown and Bridge Work).

Physical Education

Van Vliet, M. L., B.S., M.S.
 Oregon Prof.
 Johnson, Tessa M., A.B. Calif.,
 M.S. S. Calif. Asst. Prof.
 Hughes, R. L., B.Sc. Ill., M.A.
 Wash. Asst. Prof.
 Eriksson, A. W. E., M.Sc., M.A.
 Wash. Asst. Prof.
 Smith, W. D., B.P.H.E. Tor.,
 M.A. Calif. Lectr.
 Austin, Patricia, B.P.H.E. Tor.
 Lectr.

Research Council of Alberta

McCulloch, A., M.Sc. (Tech.) Manc.
 Chief Research Engineer.

Lang, W. A., M.Sc. (Fuels) Assoc. Res. Prof.	Ward, S. H., B.Sc. (Bituminous Sands) Asst.
Pasternack, D. S., B.Sc. Qu., Ph.D. McG. (Bituminous Sands) Res. Chemist.	Gregory, J., B.Sc. (Fuels) Asst. Fryer, J. F., B.Sc. (Fuels) Jr. Asst.
Oberholtzer, J. E., M.Sc. Indust. Engineer.	Department of Extension
Charlesworth, J. S., B.Sc. (Gasoline and Oil Test- ing) Chemist.	Cameron, D., M.Sc. Director. Tweedie, A. S. R., M.A. Edin. Asst. Prof.
Crockford, M. B. B., M.Sc. Geologist.	Piercy, J. B. M., B.Sc. Lectr. Macleod, Flora, B.L.S. Tor., M.A. Libn.
Tipman, E., B.Sc. (Gasoline) Asst.	Hillerud, Sylvan, B.S.A. Asst.

AFFILIATED INSTITUTIONS

MOUNT ROYAL COLLEGE, Junior College, Calgary. Principal—Rev. J. H. Garden, B.A., B.D.

ST. STEPHEN'S COLLEGE, Theological College of the United Church of Canada, is situated on the University Campus. Principal—E. J. Thompson, M.A., B.D., Ph.D.

ST. AIDAN'S COLLEGE (Anglican)—affiliated 1919.

ST. JOSEPH'S CATHOLIC COLLEGE (Arts). Rector, Brother Prudent, F.S.C., B.A., B.Paed. Affiliated to the Univ. in May 1926 as an Arts Coll. working under the authority of the Senate; occupies a site on the Univ. Campus.

THE PROVINCIAL INSTITUTE OF TECHNOLOGY AND ART, Calgary, operates directly under the authority of the Dept. of Education. Affiliated May 13, 1926. Principal—J. Fowler, B.A., B.Sc.

GENERAL INFORMATION

The University was created in 1906 by an Act of the first session of the first legislature of the Province. On January 1908 Dr. Henry Marshall Tory entered on his duties as president. The Senate supervised all phases of the institution's activities until 1910. At that time a Board of Governors was constituted and was given charge of the Univ.'s business affairs. This form of government remained substantially unaltered until 1942, when a new Act reduced the size of the Senate and transferred most of its academic functions to the General Faculty Council.

The Provincial Legislature has established a close relationship between the Univ. and the professions by giving the General Faculty Council jurisdiction over the educational standards of Agrologists, Architects, Chartered Accountants, Dentists, Engineers, Land Surveyors, Lawyers, Music Teachers, Pharmacists, Physicians and Surgeons, Registered Nurses, Optometrists and Veterinary Surgeons.

The University of Alberta, whose property covers 949 acres (Campus, 225 acres; Farm, 724 acres), is situated in the city of Edmonton, the capital of the Province of Alberta. Its grounds border the wooded southern bank of the North Saskatchewan river. To the original residence buildings, Athabaska

Hall (1911), Assiniboia Hall (1912) and Pembina Hall (1914), were added the Arts Buildings (1915), the Engineering Laboratories (1919) and the Medical Building (1921). In 1922 the nearby Strathcona Hospital was acquired and became the University Hospital, an important factor in the training of medical students. Following the great increase of the numbers of students at the end of World War II came the extension of the West and East wings of the Medical Building in 1946 and 1947 and the commencement of the Rutherford Library. The Faculty Apartment Houses, built to accommodate some of the married members of the rapidly growing faculty, were opened in 1947.

LIBRARY, 106,000 vols.

LABORATORIES for all scientific courses; museum; herbarium; farm; agricultural experimental plots.

RESEARCH LABORATORIES for the study of (1) coal; (2) petroleum products; (3) field crops; (4) soils; (5) strength of materials.

The provincial laboratory of public health and the industrial laboratory are also situated on the campus.

FACULTIES. Arts and Science (with associated Schools of Commerce and Household Economics); Agriculture, Engineering (Chemical, Civil, Electrical, Engineering Geology, Engineering Physics, Petroleum and Mining); Dentistry; Education (responsible for all teacher training in the Province); Law; Medicine (with Associated Schools of Nursing and Pharmacy).

MATRICULATION. Examns. are conducted in June and August under the control of the High School and Univ. Matricn. Examns. Board of the Provincial Department of Education. Admission is at the senior matricn. (Grade XII.) level, except from a Provincial School of Agriculture.

DEGREE COURSES. 3 yrs. (honours, 4 yrs.)—B.A., B.Sc. (Arts), B.Com.; 3 yrs.—B.Sc. (Household Econ.), B.H.Ec., B.Sc. (Pharmacy); 4 yrs.—B.Sc. (Agric.), B.Sc. (Engineering), B.Ed.; 5 yrs.—D.D.S. (1 yr. pre-dental), B.A., LL.B., B.Sc. (Nursing) (3 yrs. in hospl. trg.); 6 yrs.—B.Sc., M.D. Other "combined" courses: 5 yrs.—B.A., B.Com.; 6 yrs.—B.A., B.Sc. (Engineering), B.Sc., D.D.S.

A Bachelor with honours standing may obtain the M.A. or M.Sc. in 1 yr. of advanced study; from the general course in 2 yrs. The M.Ed. requires the equivalent of 2 yrs. of advanced study. Divinity students may qualify for the B.D. degree.

The D.Sc. is an earned degree conferred for high distinction in original scientific research. Under certain circumstances a graduate of another university may qualify for the Ph.D. The degree of LL.D. is awarded *honoris causa*.

OTHER COURSES. Summer session (six weeks in July and Aug.) mainly for students in Arts and Science and Educn.; Banff School of Fine Arts (see EXTENSION); 1-yr. diploma courses for graduate nurses in Public Health Nursing and Teaching and Supervision; 1 yr. "Normal" course in Educn. for the Junior and Elementary School Certif.; short courses in Dairying and Obstetrics.

FEES, ANNUAL TUITION: B.A., \$120; B.Sc., \$125; B.Com. 1st yr. \$135, 2nd and 3rd yrs. \$150; B.Sc. (H.Ec., B.H.Ec.), \$135; B.Sc. (Agric.), 1st yr. \$80, 2nd, 3rd and 4th yrs. \$95; B.Sc. (Engineering), \$165; D.D.S. pre-dental, \$125, 1st and 2nd yrs., \$225, 3rd and 4th yrs. \$250; B.Ed., \$105; B.A., LL.B. 1st and 2nd yrs., \$120, 3rd, 4th and 5th yrs. \$150; B.Sc., M.D., 1st and 2nd yrs. (pre-medical), \$125, subsequent four yrs. \$350; B.Sc. (Nursing), 1st and 5th yrs. \$125, 2nd, 3rd and 4th yrs. gratis; B.Sc. (Pharmacy), 1st yr. \$140,

2nd and 3rd yrs. \$155. General Fees: Registration, \$6; Library, \$5; Medical Service, \$6; Students' Union, \$16.50; Caution Money, \$5.

RESIDENCES. Three residential Halls with accommodation for 450 (plus two halls belonging to affiliated colls.). Cost of room and board, \$47.50-\$50 per month. Full meal and restaurant service provided by Univ. Cafeteria. Social life is under the supervision of the Provost. All undergraduates are members of the Students' Union.

UNIVERSITY EXTENSION work includes lectures, radio discussion group material, debating material, general information service, agricultural bulletins, short courses in Art and Dramatics, film and lantern slide service, open-shelf and travelling libraries and Community Life Conferences.

The **BANFF SCHOOL OF FINE ARTS** held during July and Aug. offers courses in Theatre, Art, Music, Applied Art and Oral French.

PUBLICATIONS. *Calendar*; *Summer Session Announcement*; *Press Bulletin* (at intervals by the Dept. of Extension); *The New Trail* (quarterly), jointly by the Univ. and Alumni Assocn.; *Gateway* (student newspaper, twice weekly); *Evergreen and Gold* (annually by students); *Stage Door* (quarterly, by Department of Fine Arts).

THE YEAR 1946-47

BENEFACTIONS. National Research Council, \$37,522.65 in accountable advances for research carried on under the direction of certain staff members; Provincial Department of Agric., grant of \$5000 to aid in providing facilities in poultry work in the Dept. of Animal Sci.; Rockefeller Foundation, a research grant of \$2000 for the Dept. of Polit. Econ.; an anonymous donor, grant of \$2000 in aid of Dr. Sandin's cancer research; Canada Malting Co. Ltd., \$1000 for barley breeding work in the Dept. of Plant Sci.; United Grain Growers Ltd., \$1000 to assist research work in the Dept. of Plant Sci.; Mrs. J. H. Woods, Calgary, \$5000 to endow the Col. J. H. Woods Canada-United States Library Collection; Canadian Legion Educational Services, some 3000 reference books, formerly in the local C.L.E.S. library, for the Extension Library; Law Society of Alberta, \$500 for the purchase of books and periodicals for the Law Library; "Friends of the University," 157 individual members, \$2301.50; T. Eaton Co. (Western) Ltd., Calgary, \$5000 in merchandise to provide furnishings for the Banff School of Fine Arts; Hudson's Bay Co., Edmonton, \$1000 for the development of the Banff Sch. of Fine Arts; Harry F. Bennett Educational Fund, loan fund estab. by members of the Engineering Inst. of Canada in memory of the late Harry F. Bennett, available to engineering students. Numerous other gifts for various purposes from societies and private persons.

PRINCIPAL NEW SCHOLARSHIPS, ETC. Fuller Brush Co., Scholp. in Art of \$200 to a student having highest standing in Art Hist. and Appreciation; Renkenberger Scholp., \$250 to student specializing in study of the principles of co-operation in the field of Agric.; John Walker Barnett Memorial Scholp., \$300 offered by the Provincial Executive of the Alberta Teachers' Assocn. to the student who has completed the 2nd yr. of the Fac. of Educn. and who gives evidence of the greatest academic and professional promise and capacity for leadership; Research Fellowship of the Coll. of Physicians and Surgeons of Alberta, \$1000; Research Council of Alberta Fellowships, 2 ea. of the value of \$1320, tenable for 12 mos. at the Research Council Labs., Univ. of Alberta; Canadian Sugar Factories Scholp., value \$500, open to grads. in Agric. of the

Univ.; Rotary International Scholps., \$1500 ea., open to candidates for graduate study outside of Canada, preference being given to those whose studies lie in the field of the humanities or the social sciences.

EXTENSION WORK. Lantern slides sent out year ending March 31, 431. Films, 3081. Lectures, 441. Exhibitions of films by Depts. of Extension, 446. Travelling library circulation, 8566. Open-shelf circulation, 49,786. Radio, 14 series of programmes three hours, five days a week. University Week for Farm Young People, 275. Community Life Conferences in July. Banff School of Fine Arts, 568. Many short courses and refresher courses.

RETIREMENTS. Prof. J. P. Sackville (Animal Sci.); Prof. E. W. Sheldon (Maths.); Prof. E. Sonet (Mod. Langs.).

RESIGNATIONS. Prof. G. A. Elliott (Polit. Econ.), Prof. R. S. L. Wilson (Civ. and Munic. Engin., Dean of Fac. App. Sci.), Assoc. Prof. K. F. Argue (Educn.), Assoc. Prof. J. C. Jonason (Educn.), Asst. Prof. J. H. Barr (Dent.), Asst. Prof. J. Ferguson (Physiol.); Muriel E. M. Richards, Lectr. (H. Econ.), S. Risk, Lectr. (Drama), G. Y. Barnett, Instr. (Prosthetic Dent.), Eleanor MacIntosh, Sci. Instr. (Sch. of Nursing), Marion E. Montgomery, Jr. Asst. (Library), C. L. King (Exec. Asst. to the President).

HONORARY DEGREES CONFERRED. LL.D.—Hon. William Robertson Howson, Chief Justice of the Trial Division of the Supreme Court of Alberta; Frederick Ernest Osborne, formerly a member of the City Council and Mayor of Calgary, and member of the Univ. Board of Governors for 19 years; John Walker Barnett (posthumously), Secretary Treasurer of the Alberta Teachers' Assocn. for 29 years and member of the Univ. Senate since 1942; Frank Gordon Buchanan, Superintendent of Schools for the city of Calgary.

STUDENTS. Winter session: 4435. Summer session: 1479. Short Courses: 13.

DEGREES AND DIPLOMAS. B.D., 2; B.A., 46; M.A., 7; M.A. in Educn., 1; LL.B., 11; B.Sc., 81; B.Sc.H.Ec., 22; B.Sc. in Agric., 20; B.Sc. in Chem. Engin., 12; B.Sc. in Civ. Engin., 25; B.Sc. in Elec. Engin., 12; B.Sc. in Engin. Physics, 2; B.Sc. in Mining Engin., 7; B.Sc. in Nursing, 15; B.Sc. in Pharm., 20; M.Sc., 33; M.D., 41; D.D.S., 18; B.Com., 12; B.Ed., 122; M.Ed., 4. Dipl. in Nursing, R.N., 34; Dipl. in Nursing, Pub. Health, 17; Dipl. in Nursing, Teaching and Supervision, 2; Dipl. in Educ., jr., 40, sr., 137; Dipl. in Pharmacy, 6.

UNIVERSITY OF BISHOP'S COLLEGE

LENNOXVILLE, QUEBEC

Founded 1853

VISITORS—THE ARCHBISHOP OF QUEBEC AND THE BISHOP OF MONTREAL
CHANCELLOR—G. H. MONTGOMERY, B.A., D.C.L., LL.D., K.C.

VICE-CHANCELLOR—Rev. A. H. MCGREER, O.B.E., M.C., M.A. Ox.
D.D., D.C.L., LL.D., Principal of the College and Dean of Arts.

PRESIDENT OF THE CORPORATION—JOHN H. MOLSON, M.B.E., E.D.

REGISTRAR—S. SANDERS, Bursar and Secretary of the College.

TEACHING STAFF

Classics

Preston, A. W., M.A. Edin., M.A. Ox.
Prof.

Divinity

Jones, Rev. G. B., M.A. Ox., B.A. Lond., D.C.L.
Dean of Fac. and Harrold Lodge Prof.

Education

Jefferis, J. D., M.A. McG., Ph.D. Tor., B.A.
Prof.

English

Raymond, W. O., M.A., Ph.D. Mich., F.R.S.C.
Prof.
Whalley, A. G. C., M.A. Ox., B.A.
Asst. Prof.

Hebrew and O. Test.

Moffatt, Rev. Canon E. K., M.A., B.D.
Lectr.

History

Masters, D. C., M.A. Tor., D.Phil. Ox.
Prof.

Mathematics

Richardson, A. V., M.A. Camb. D.C.L.
Prof

Modern Languages

Yarrill, E. H., M.A. Tor.
Prof

Natural Science

Kuehner, A. L., M.A. Queen's F.C.I.C.
Prof
Home, M., M.Sc. McGill (Physics) Prof
Langford, A. N., B.A. Qu., M.A. Ph.D. Tor.
Assoc. Prof
McCubbin, J. W., M.Sc. Qu., Ph.D. McG.
Asst. Prof

Pastoral Theology

Scott, Rev. E., M.A. Ox.
Mountain Prof

Philosophy and Economics

Childs, Rev. S., M.A. Tor., B.D.
Prof

GENERAL INFORMATION

The College, founded in 1843, was in 1853 by Royal Charter constituted University with power to confer degrees. It is administered by a Corporation consisting of the Anglican Bishops of the Province and Trustees and Council appointed by them jointly on the recommendation of a nominating Committee composed of the Chancellor, the Vice-Chancellor, and the President and Vice-President of the Corporation.

The College provides Ordinary and Honours courses for the degrees of B.A. and B.Sc. in Arts, covering 3 yrs., and a 3 yrs.' course for the L.S.T. Divinity is a compulsory subject in each of the years of the Ordinary course. Clergymen of the Dioceses of Canada may proceed to the B.A. by examns. without residence if of 6 yrs.' standing, and on a reduced period (1 or 2 yrs.) if of 4 or 2 yrs.' standing. The M.A. is open to B.A.s of the Univ. or of other Univs. after a 1 yr. postgraduate course.

The University conducts a Summer School for Teachers which lasts for 6 weeks.

FEES. For tuition, \$200 p.a. for an Arts student ; \$150 p.a. for a Divinity student ; board and furnished lodging with heating and lighting, \$360 p.a.

PROVISION FOR GAMES. Rugby field, golf course, tennis courts, rink for ice hockey, gymnasium.

PUBLICATION. *Calendar* (March).

THE YEAR 1946-47

HONORARY DEGREES. *D.C.L.*—Sir Alexander Clutterbuck, High Commissioner for the United Kingdom in Canada ; The Hon. John Samuel Bourque, Minister of Lands and Forests, Provincial Government of Quebec ; The Rev. George Dinwiddie Kilpatrick, Principal, the United Theological College, Montreal ; The Rev. Professor Cuthbert Aikman Simpson, of Old Testament Literature and Interpretation, General Theological Seminary, New York ; William Bridges Scott.

STUDENTS. Full-time: 215, including 7 graduates.

DEGREES. M.A., 1 ; M.Ed., 1 ; B.A., 20 ; B.Sc., 23. Title of L.S.T., 1.

THE UNIVERSITY OF BRITISH COLUMBIA VANCOUVER

Founded 1908

Telegraphic Address—UBRICO.

VISITOR—THE LIEUT.-GOVERNOR OF THE PROVINCE.

CHANCELLOR—The Hon. ERIC W. HAMBER, C.M.G., B.A., LL.D.

PRESIDENT—NORMAN A. M. MACKENZIE, C.M.G., M.M. and Bar,
K.C., B.A., LL.B. Dal., LL.M. Harv., LL.D. Mt. A., N. Br.,
Tor., D.C.L. Whitman, F.R.S.C.

REGISTRAR—C. B. WOOD, B.A. Tor., A.M. Columbia.

ASST. REGISTRAR—Miss M. L. KIEVELL, B.A.

BURSAR—A. MACLUCAS.

LIBRARIAN—W. K. LAMB, M.A., Ph.D. Lond.

TEACHING STAFF

Agriculture, v. infra

Architecture

Lasserre, F., B.Arch. Tor.
Prof. and Hd. of Dept.
Porter, J. C. H., B.Arch. McG.
Asst. Prof.
Shapiro, D. Asst. Prof.
Wisnicki, B. P., Dip. Eng. Poland
Instr.

Allardyce, J., Ph.D. McGill, M.A.
Prof.
Taylor, T. M. C., Ph.D. McG.,
B.A. Prof.
Wort, D. J., M.Sc. Sask., Ph.D.
Chic. Prof.
Davidson, J., F.L.S., F.B.S.E.
Assoc. Prof.
Black, E., B.A. McM., Ph.D.
Swarthmore, M.A.

Bacteriology and Preventive Medicine

Dolman, C. E., M.B., B.S., Ph.D.,
D.P.H. Lond., F.R.S.C.
Hd. of Dept. and Prof.
Duff, D. C. B., M.A., Ph.D. Tor.
Prof.
Ranta, L. E., M.D., D.P.H. Tor.
Assoc. Prof.
Taylor, H. E., M.D. Dal. Lectr.
Chang, Helen, M.A. Instr.

Assoc. Prof.
Brink, Mrs. Ruth F., M.A. Calif.,
B.A. Asst. Prof.
Grierson - Jackson, W., M.S.A.,
M.A. Tor. Asst. Prof.
Pillsbury, R. W., M.A. Asst. Prof.
Allen, Maud, B.S.A., B.A. Lectr.

Chemistry

Clark, R. H., M.A. Tor., Ph.D.
Leip., F.R.S.C.
Hd. of Dept. and Prof.
Seyer, W. F., B.A., M.Sc. Alta.,
Ph.D. McG. Prof.
Marshall, M. J., M.Sc. McG., Ph.D.
Mass. Inst. Tech., F.R.S.C.
Prof.
Harris, J. Allen, Ph.D. Ill., M.A.
Prof.

Biology and Botany

Hutchinson, A. H., M.A. McM.,
Ph.D. Chic., F.R.S.C.
Hd. of Dept. and Prof.
Dickson, Frank, B.A. Qu., Ph.D.
Corn. Prof.

- Hooley, J. Gilbert, Ph.D. Mass. Inst. Tech., M.A. Assoc. Prof.
 Holmes, R. H. L., M.Sc. Qu., A.M., Ph.D. Harv. Assoc. Prof.
 Stusiak, M., B.A.Sc., M.A.Sc. Asst. Prof.
 Shemilt, L. M., B.A. Sc. Tor., M.Sc. Manit. Asst. Prof.
 Constabaris, G., B.A. Lectr.
 Hamilton, J. K., M.A. Lectr.
 Stewart, R., B.A. Lectr.
 Toole, F. J., M.Sc., Ph.D. McG. Dean of Fac. Arts and Sc., Univ. of New Brunswick, Visiting Lectr.
 Robertson, R. F., B.A. Lectr.
 Hooley, Mrs. J. G., B.A. Instr.
Classics
 Todd, O. J., A.B., Ph.D. Harv., F.R.S.C. Hd. of Dept. and Prof.
 MacKay, L. A., M.A. Tor., B.A. Ox. Prof.
 Riddehough, G. B., M.A. Calif. and Br. Col. Asst. Prof.
 Guthrie, P. C. F., B.A. Manit., M.A. Tor. Asst. Prof.
Commerce
 Morrow, E. H., B.A. Qu., M.B.A. Harv. Hd. of Dept. and Prof.
 Taylor, J. C., B.A. W. Ont. Assoc. Prof.
 Bell, D. K., B.Com., M.A. Assoc. Prof.
 Mahoney, R. A., B.A. Manit., M.B.A. Harv. Assoc. Prof.
 Wong, L., B.Com., M.B.A. Calif. Asst. Prof.
 Moynes, J. M., B.A., B.Acc. Sask., M.B.A. Chicago Asst. Prof.
 Burke, B. E., B.Com. Lectr.
 Field, F. (Accountancy) Lectr.
 Farris, J., M.B.A., LL.B., Harv., B.A. (Comm. Law) Lectr.
 Stark, J. E., M.B.A. Harv., B.Com. Lectr.
 Van Houten, C. W., B.Com. Lectr.
 Swallow, Mrs. Olga, B.A., B.Com. Lectr.
- Grigg, V., B.Com., B.A. Lectr.
Dairying, v. Agric.
Economics, *Polit. Sci.* and *Sociology*
 Angus, H. F., B.A. McG., B.C.L., M.A. Ox., F.R.S.C. Hd. of Dept. and Prof.
 Drummond, G. F., M.A. St. And., M.Sc. (Econ.) Lond. Prof.
 Topping, C. W., B.A. Qu., S.T.D. Wesley Theol. Coll., A.M., Ph.D. Col. (Sociol.) Prof.
 Crumb, J. A., B.B.A. Wash., M.S., Ph.D. Calif. Prof.
 Hawthorn, H. B., M.Sc., B.A. N.Z., Ph.D. Yale (Anthropol.) Prof.
 The President (Govt.) Hon. Lectr.
 Jamieson, S., M.A. McG., Ph.D. Calif., B.A. Assoc. Prof.
 Dodwell, R. B., B.A. Lectr.
 Clark, R. M., B.A., B.Com., Ph.D. Harv. Lectr.
 Merritt, W. H., B.A. Tor. Lectr.
 Luyten, Rita. Instr.
- Education*, v. also Philosophy
 Cameron, Maxwell A., Ph.D. Tor., M.A. Hd. of Dept. and Prof.
 Tyler, F. T., B.Sc., M.A., B.Ed. Alta., Ph.D. Calif. Prof.
 Argue, K. F., B.A. Alta., M.A. Ox., D.Ed. Columbia Prof.
- Pt.-time Lecturers
 Black, Charlotte.
 Boyles, Sadie M.
 Broome, E. B.
 Cooke, A. C.
 Graham, Mrs. Elsie.
 Johns, H. P.
 MacInnes, Dr. I.
 McManus, Mildred.
 Osborne, R.
 Scott, C. J.
 Smith, H. B.
 Thomas, O. J.
 Wales, B. E.
 Whittle, H. D.

Engineering, Civil

- Finlayson, J. N., M.Sc. McG.,
LL.D. Manit.
Dean of Fac., Hd. of
Dept. and Prof.
Muir, J. F., B.Sc. Manit. Prof.
Finlay, A. H., M.C., M.S. in C.E.
Ill., B.A.Sc. Prof.
Hrennikoff, A., Sc.D. Mass. Inst.
Tech. Prof.
Lipson, S. L., M.Sc. Cal. Inst.
Tech., B.A.Sc. Assoc. Prof.
Pretious, E. S., M.Sc. Iowa,
B.A.Sc. Assoc. Prof.
Peebles, A., M.Sc. Iowa State Coll.,
B.A.Sc., B.A. Assoc. Prof.
de Jong, S. D., B.A.Sc. Manit.,
M.A.Sc. Tor., D.L.S.
Assoc. Prof.
Heslop, W. G., B.A.Sc. Tor.
Assoc. Prof.

Instructors

- Anderson, J. D., B.A.Sc., B.S. in
C.E. Wash.
Beley, J. P., B.A.Sc.
Bell, H. R., B.A.Sc.
Broughton, G. H.
Campbell, J. M., B.Sc. Manit.
Cox, L., B.A.Sc.
Currie, R. H., B.A.Sc.
Evans, J. R., B.A.Sc.
McLellan, R. N., B.A.Sc.
Miller, W. B., B.A.Sc.
Pullinger, W. W., B.A.Sc.
Rome, A. H., B.A.Sc.
Scarlsbrick, R. G., B.A.Sc.
Shumas, F., B.A.Sc.
Yodor, W. G., B.S. Purdue.
Alexander, J. B., M.Sc. N. Br.
Pt.-time Lectr.
Cook, P., B.A.Sc. Pt.-time Lectr.
Kania, J. E. A., Ph.D. Mass. Inst.
Tech., M.A.Sc. Sp. Lectr.

Engineering, Mech. and Elect.

- MacLeod, H. J., O.B.E., B.Sc.
McG., M.Sc. Alta., A.M.,
Ph.D. Harv., F.A.I.E.E.
Hd. of Dept. and Prof.

- Vernon, F. W., B.Sc. (Eng.) Lond.
(Aeronaut. E.) Lectr. and
(Mech. E.) Prof.
Morgan, S. C., B.Sc. Qu., M.Sc.
Alta., M.S. Calif. I. Tech.
(Elect. E.) Prof.
Richmond, W. O., M.S. Pittsb.,
B.A.Sc. (Mech. E.) Prof.
McIlroy, H. M., M.Sc. Qu.
(Mech. E.) Prof.
Coulthard, W. B., B.Sc. Lond.
(Elect. E.) Assoc. Prof.
Noakes, F., B.Sc. Alta., M.Sc.,
Ph.D. Iowa State Coll.
(Elect. E.) Assoc. Prof.
Wolfe, W., M.Sc. Case Sch. of Ap.
Sc., B.A.Sc.
(Mech. E.) Assoc. Prof.
Thomson, D. W., M.Sc. Ill., B.A.Sc.
(Mech. E.) Assoc. Prof.
Kersey, L. R., B.A.Sc.
(Elect. E.) Asst. Prof.

Instructors

- Long, L., B.A.Sc.
Johnson, W. J., B.A.Sc.
Vajda, P.
Savery, Mrs. Mary.
Pullinger, W. W., B.A.Sc.
Barton, E. S., B.A.Sc.
Bruce, N. G., B.A.Sc.
McAdam, J. C., B.A.Sc.
Clement, B. D., B.A.Sc.
Bird, J. M., B.A.Sc.
Steel, W. E. J., B.A.Sc.

English

- Sedgewick, G. G., B.A. Dal., Ph.D.
Harv., F.R.S.C.
Hd. of Dept. and Prof.
MacDonald, W. L., B.A. Tor., M.A.
Wisc., Ph.D. Harv. Prof.
Wood, F. G. C., B.A. McG., A.M.
Harv. Prof.
Larsen, Thorleif, M.A. Tor., B.A.
Ox., F.R.S.C. Prof.
Mawdsley, M. Dorothy, B.A. McG.,
Ph.D. Chic., M.A.
(Dean of Women) Prof.
Daniells, J. R., Ph.D. Tor., B.A.
Prof.

Birney, A. E., M.A., Ph.D. Tor.,
B.A. Prof.
Morrison, E., A.M., Ph.D. Cal.,
B.A. Prof.
Robbins, W., Ph.D. Tor., M.A.
Prof.

Lewis, H. C., M.A. Assoc. Prof.
Blakey Smith, Mrs. Dorothy, M.A.
Tor. and Br. Col., Ph.D. Lond.
Assoc. Prof.

Creighton, J. H., M.A. Tor.
Assoc. Prof.
Read, S. E., M.A. McG.
Assoc. Prof.

Watters, R. E., M.A. Tor., Ph.D.
Wisc. Assoc. Prof.

Spaulding, J. G., A.B. Pomona,
Ph.D. Calif. Assoc. Prof.

Akrigg, G. P. V., Ph.D. Calif.,
M.A. Assoc. Prof.

Asst. Professors

Cragg, Mrs. Edith, M.A. N. Br.
Humphrey, Ruth, B.A. Mt. A.,
M.A. Ox.

Cragg, R. C., B.A. Tor.

Steinberg, M. W., B.A. Qu

Grant, J. D., M.A., Ph.D. Tor.,
B.A.

Sanford, C., M.A. Ox

Fyfe, A. J., B.A. Tor.

Baxter, Edna, A.M. Wash., B.A.

Ferguson, B., B.A.

Hughes, H., M.A.

Somerset, Dorothy, A.B. Radcliffe.

Lecturers

Creighton, Mrs. Kathleen, M.A.
Tor, B.A.

Haines, A. R., D.F.C., B.A.

Knotts, W. E., B.A.

Kurth, B., B.A.

Lewis, Mrs. Stella, M.A.

Nicol, E. P., B.A.

Rigney, H., B.A. W. Ont.

Miller, C., M.A., B.Ed. Sask.

Smith, Mrs. Marion B., B.A. Tor.,
Ph.D. Penn.

Robinson, F. W., B.A.

Petter, E. G., M.A. Ox.

McKenzie, Edith, B.A. Sask.
Creelman, Amelia, B.A. Dal.
McNiven, Catherine, B.A. Dal.
MacKenzie, Mrs. Laura, B.A.
Downes, Gwladys, M.A.
Graham, Mrs. A. G. (Pt.-time).

Forestry

Ricknagel, A. B., B.A., M.F. Yale
Actg. Hd. of Dept. and Prof.

Knapp, F. M., B.S.F. Syracuse,
M.S.F. Wash Prof.

Griffith, Braham G., M.F. Harv.,
Ph.D. Wash., M.A.

Assoc. Prof

Wright, T. G., B.F. Penn. State,
M.F. Duke Assoc. Prof.

Allen, G. S., Ph.D. Calif., M.A.Sc
Assoc. Prof.

Wellwood, R. W., Ph.D. Duke,
B.A.Sc. Assoc. Prof.

Haines, H. C., B.Sc. Purdue, M.F.
Duke Asst. Prof

Brown, R. M., B.Sc.F. Tor.

(Forest Prod.) Hon. Lectr
Alexander, J. L., B.Sc.F. Tor.

Pt.-time Lectr.

Dixon, L. B. Pt.-time Lectr.

McQueen, I., B.A.Sc.

Pt-time Lectr.

French

Evans, D. O., M.A., D.Phil. Ox.,
D.Lett. Paris

Hd. of Dept. and Prof.

Clark, A. F. B., B.A. Tor., Ph.D.
Harv., O.A., F.R.S.C. Prof.

Dallas, Dorothy, D.Lett. Paris,
M.A. Assoc. Prof.

Metford, Mrs. Deborah A. K.,
D.Lett. Paris, M.A. (on leave
of absence) Asst. Prof.

Darlington, Mme. Y. Asst. Prof.

Lamb, Mrs. W. Kaye, D.Lett.
Paris, M.A. Lectr.

Hood, J. A., B.A. Lectr.

Makinen, Sadie, B.A. Lectr.

Pronger, L., B.A. Lectr.

Downes, Gwladys, M.A. Lectr.

Harris, Ethel, A.B. Columbia, M.A.
Tor., D.Lett. Paris Instr.

Ashton, H., M.A., Litt.D. Camb.,
D.Lett. Birm. and Paris,
F.R.S.C., Chev. Lég. d'H.

Sp. Lectr

Geology and Geography

Williams, M. Y., B.Sc. Qu., Ph.D.
Yale, F.G.S.A., F.R.S.C.

Hd. of Dept. and Prof

Gunning, H. C., M.S., Ph.D. Mass.
Inst. Tech., B.A.Sc., F.G.S.A.,
F.R.S.C. (Econ. Geol.) Prof.

Warren, H. V., B.Sc., D.Phil. Ox.,
B.A., B.A.Sc., F.G.S.A.,
F.R.S.C.

(Miner. and Petrography)

Prof.

Okulitch, V. J., Ph.D. McG.,
M.A.Sc., F.G.S.A., F.R.S.C.

Assoc. Prof.

Robinson, J. L., B.A. W. Ont.,
M.A. Syracuse, Ph.D. Clark.

Assoc. Prof.

Watson, K. DeP., Ph.D. Princet.,
B.A.Sc.

Assoc. Prof.

White, W. H., M.A.Sc., Ph.D. Tor.
Assoc. Prof.

Thomson, R. M., M.A.Sc., Ph.D.
Tor.

Asst. Prof.

Chapman, J. D., B.A. Ox. Lectr.
Stembridge, J.

Spl. Lectr.

North, F. K., M.A. Ox. Instr.

German

MacInnes, Isabel, M.A. Qu., Ph.D.
Calif. Hd. of Dept. and Prof.

Hallamore, Joyce, Ph.D. Munich,
M.A.

Assoc. Prof.

Borden, C. E., M.A., Ph.D. Calif.
Assoc. Prof.

Cowie, M. A., M.A. Qu., Ph.D.
Chic.

Asst. Prof.

Ogilvie, D., M.A. Glas. Lectr.
Miller, Margaret, B.A. Qu., A.M.

Radcliffe Lectr.

Cowie, Mrs. Marian L., A.B.
U.C.L.A., Ph.D. Chicago Lectr.

Taylor, Mrs. Pauline, M.A. Instr.
Lourié, Mrs. Marianne, D.Juris
Vienna (on leave of absence)
Instr.

Harris, Mrs. J., A.B. Smith, M.A.
Instr.

History

Sage, W. N., B.A., Ph.D. Tor.,
M.A. Ox., F.R.Hist.S.,
F.R.S.C.

Hd. of Dept. and Prof.

Soward, F. H., B.A. Tor., B.Litt.
Ox.

Director of International
Studies and Prof.

Cooke, A. C., B.A. Manit., M.A.
Ox. Prof.

Stanley, G. F. G., B.A. Alta., M.A.,
B.Litt., D.Phil. Ox.

(Canadian Hist.) Prof.

Ormsby, Margaret A., Ph.D. Bryn
Mawr, M.A. Asst. Prof.

Davies, G., M.A. Camb. Lectr.

Home Economics

Black, Charlotte S., B.Sc. (H.Ec.)
Manit., A.M. Columbia

Prof. and Hd. of Dept.

Morley, Nina H., M.A. Tor.
Asst. Prof.

Holder, Mary, B.Sc. in H.Ec.
Mt. A. Asst. Prof.

Newcombe, Barbara, B.Sc. (H.Ec.)
Manit., M.S. Minn.

Asst. Prof.

Rose, Carlene, B.Sc. Minn., M.Sc.
Oregon State Coll. Asst. Prof.

MacFarlane, Margaret, B.Sc. Alta.
Asst. Prof.

Ross, Orene J., B.A. Alta. Lectr.
Rutherford, Nancy-Ruth, M.Sc.

Manit. Lectr.

Hurren, Doris, B.Sc. McG. Lectr.
Pt.-time Lecturers

Murray, Dr. S.
Willits, Dr. R. E.

Chant, Mrs. S. N. F.

Horticulture, v. Agric. infra

Law

Curtis, G. F., LL.B. Sask., B.A.,
B.C.L. Ox.

(Dean of Fac.) Prof.

Kennedy, G. D., B.A., M.A.,
LL.B. Tor. Assoc. Prof.
McAllister, G. A., B.A., B.C.L.,
M.A. N. Br., LL.M. Columbia.
Assoc. Prof.

Read, F., LL.B. Manit.
Assoc. Prof.

Lecturers

The President.
Sheppard, F. A
Remnant, S. J.
Wilson, Mr Justice J. O.
Coady, Mr. Justice J. M.
McFarlane, M. M.
Bird, J.

Mathematics

Buchanan, D., M.A., LL.D. McM.,
Ph.D. Chic., F.R.S.C.
(Dean of Fac.) Hd. of
Dept. and Prof.

Nowlan, F. S., B.A. Acad., A.M.
Harv., Ph.D. Chic. (on leave
of absence) Prof.

James, R. D., Ph.D. Chic., F.R.S.C.,
M.A. Prof.

Gage, W. H., M.A. Prof.

Jennings, S. A., M.A., Ph.D. Tor.
Assoc. Prof.

Murdoch, D. C., Ph.D. Tor., M.A.
Assoc. Prof.

Derry, D., B.A. Tor., Dr. Phil.
Göttingen Assoc. Prof.

Barclay, May L., M.A.
Asst. Prof.

Chapman, D. G., B.A. Sask., M.A.
Tor. and Calif. Asst. Prof.

Kent, J. R. F., M.A. Qu., Ph.D.
Ill. Asst. Prof.

Lecturers

Dodwell, Mrs. Elizabeth, B.A.
Straight, B. W., B.A.
Simons, W. H., M.A.
Free, N. S., M.A.
Campbell, W. C., B.A. Manit.
Moyle, B. J., M.A., Ph.D. Harv.
Latta, G. E., B.A.
Lehman, E. H., B.A. Yale, M.A.
Columbia.

MacFarlane, T. G., B.A.
Petersen, G. M., A.B. Stanford.

Mining and Metallurgy

Forward, F. A., B.A. Sc. Tor.
Hd. of Dept. and Prof.
Crouch, L. G. R., B.Sc. Melb.,
M.Sc. Utah (Min. Eng.) Prof.
Howard, H. M., B.A. Sc. Tor.
(Mineral Dressing) Prof.
Armstrong, W. M., B.A. Sc. Tor.
(Metal) Assoc. Prof.
Samis, C. S., M.Sc. Manit., Ph.D.
Lond. (Metal) Assoc. Prof.
Bell, G. M., B.A. Sc. Asst. Prof.
Scott, D. A., B.A. Sc. Instr.

Music

Adaskin, H. Prof.
Adams, Mrs. Jean C. Lectr.

Nursing and Health

Dolman, C. E. (v. Bacteriol.)
Hd. of Dept. and Prof.
Mallory, H. Evelyn, B.Sc.
Columbia Assoc. Prof.
Morrison, Ruth, B.S. Minn.
Asst. Prof.

Capelle, Pauline, B.A., B.A.Sc.
Asst. Prof.

Ranta, L. E., M.D., D.P.H. Tor.
Asst. Prof.

McCann, Elizabeth K., B.A.,
B.A.Sc. Instr.

Part-time Lecturers

Gundry, Dr. C. H.
Kilburn, Josephine.
Hutton, Dr. G.
Hall, T. R.
Kerr, Donna.
Williams, Dr. D. H.
Boyes, F. C.

Pharmacy

Woods, E. L., B.S.P. Sask., M.Sc.
Wisc. Hd. of Dept. and Prof.
Brewer, Mrs. Phyllis B., B.Sc.
Alta., M.S. Minn. Assoc. Prof.
Morrison, F. A., B.S.P. Sask.
Lectr.

Philosophy and Psychology

- Chant, S. N. F., O.B.E., M.A. Tor.
Hd. of Dept. and Prof.
Morsh, J. E., Ph.D. Johns H.,
B.A. Prof.
Tyler, F. T., B.Sc., M.A., B.Ed.
Alta, Ph.D. Calif.
(Educn. and Psychol.) Prof.
Maslow, A. P., A.B., A.M. Mich.,
Ph.D. Calif. Assoc. Prof.
Savery, B., A.B. Wash., Ph.D.
Harv. (Philos.) Assoc. Prof.
Belyea, E. S. W., M.A. Tor.
Asst. Prof.
MacKay, D. C. G., B.A. Qu., Ph.D.
Stanford Asst. Prof.
Black, W. G., M.A., Ph.D. Chic.,
B.A. Pt.-time Lectr.
Fleury, J. W. A., M.A.
Pt.-time Lectr.
Macdonald, E., B.A. Qu.
Pt.-time Lectr.

Physics

- Shrum, G. M., O.B.E., M.M., M.A.,
Ph.D. Tor., F.R.S.C.
Prof. and Hd. of Dept.
Hennings, A. E., M.A. Lake
Forest Coll., Ill., Ph.D. Chic.
Prof.
Smith, H. D., Ph.D. Tor., M.A.
(on leave of absence) Prof.
Crooker, A. M., B.A. McM., M.A.,
Ph.D. Tor. Prof.
Mann, K. C., O.B.E., B.A. Sask.,
Ph.D. Tor. Prof.
Volkoff, G. M., Ph.D. Calif., M.A.
Prof.
More, K. R., B.A., Ph.D. Calif.
Prof.
Belinfante, F. J., B.Sc., M.Sc.
Ph.D. Leiden Assoc. Prof.
Clark, A. R., B.A. Sask., Ph.D.
Tor. Assoc. Prof.
Pickard, G. L., B.A., Ph.D. Ox.
Assoc. Prof.
Dekker, A. J., B.Sc., Ph.D. Am-
sterdam Assoc. Prof.
van der Ziel, A., Ph.D. Groningen
Assoc. Prof.

- Warren, J. B., B.Sc., Ph.D. Lond.
Assoc. Prof.
Blüh, O., Ph.D. Prague
Asst. Prof.
Eichholz, G. G., B.Sc., Ph.D.
Leeds Asst. Prof.
Brown, R. K., B.A. Lectr.
Clark, R. J., B.A. McG., Ph.D.
Camb. Lectr.
Kidd, A. E. Lectr.
Davidson, H. H. A., B.A., M.A.Sc.
Lectr.
Herald, C. A., B.Sc., M.Sc. Dal.
Lectr.
Collins, T. L., M.A. Lectr.

Instructors

- Hanbury, T.
Babington, H., B.A.Sc. Manit.
Bewell, B., B.A.Sc.
McMurtree, G. E., B.Sc. Acadia.
Dauphinee, T. M., M.A.
Mayo, Eleanor, M.A.
Morin, D. P., B.A.Sc.
Smith, A., B.A., B.Paed. Tor.
Broughton, G. H.
Campbell, N., B.A.
McAdam, J. C., B.A.Sc.

Slavonic and Russian Studies

- St Clair-Sobell, J. O., M.A. Melb.,
Ph.D. Graz. Prof.
Raymond, J., B.A. Yale, Ph.D.
Princet. Asst. Prof.
Wainman, A. W., M.A. Ox.
Asst. Prof.

Social Work

- Smith, Marjorie J., A.B. Minn.,
A.M. Chic.
Hd. of Dept. and Prof.
Marsh, L. C., B.Sc.(Econ.) Lond.,
M.A., Ph.D. McG. Assoc. Prof.
Johnson, Margaret C., M.S.W.
Wash., B.A. Asst. Prof.
Thomas, Elizabeth V., A.B.
Wesleyan Coll., M.S. New Yk.
Sch. of Soc Work Asst. Prof.
Hutton, G. H., M.D., D.P.H.,
D.Psy. Tor. Lectr.

Read, Mrs Ruth E., B A. Vassar,
M.A Chic. Lectr.

Instructors

Du Moulin, Anne, B.A., Dip in
Soc. Wk.

McKenzie, Mrs. Kathleen, B.A.,
B.S.W.

McLorg, Mary, B A., Dip. in
Soc. Wk.

Wanden, June, B A., B.S.W.

Lytle, Roberta E., B.A. North-
western, M.S.S Smith

Collins, Zella, Dip. Soc. Ser. Dept.
Tor.

Finlayson, Barbara, B A., Dip. in
Soc. Wk. Tor.

Saunders, J., B.A., B.S.W.

Part-time Lecturers

Cowan, A J.

Hutton, Dr. G. H.

Lindenfeld, Dr. E.

McPhillips, A. de B.

McGuire, J. S.

Creighton, J. H.

McKay, Ruby.

Lanz, T.

Johnson, Lillian.

Gould, Dr. C. E.

Stevens, E

Spanish

Brooke, C. V., B.A. Qu., A.M.,
Ph D Harv

Chairman of Dept. and
Assoc. Prof.

McSpadden, G. F., A.B., M.A.
New Mexico, Ph.D. Stanford

Assoc. Prof.

Mattos, A. R., A.B. Stanford
Asst. Prof.

MacDonald, J. A., M.A.
Asst. Prof.

Davison, Mrs. E. Lectr.

Zoology

Clemens, W. A., M.A. Tor., Ph D.
Cornell, F.R.S.C.

Hd. of Dept. and Prof.

Spencer, G. J., B.S.A. Tor., M.S.
Illinois Prof.

Cowan, I. McT, Ph D. Calif., B A.
Prof.

Hoar, W. S., B.A. N. Br., M.A.
W. Ont., Ph.D. Boston Univ.
Med. (Zool. and Fisheries)

Prof.

Adams, J. R., B.Sc., M.Sc., Ph.D.
McG. Assoc. Prof.

Nicol, J. A. C., B.Sc. McG., M.A.
Western, Ph D. Ox.

Asst Prof.

Hopping, G. R., B.S.F. Oregon
State Coll., M.Sc. Iowa State
Coll Lectr.

Carter, M N., M.A.Sc., Ph.D.
McG. Hon. Lectr.

Agriculture

Agricultural Economics

Clement, F. M., B.S.A. Tor., M.A.
Wisc.

(Dean of Fac.) Hd. of
Dept. and Prof.

Anderson, W. J., M.S.A. Sask.
Assoc. Prof.

Agricultural Engineering

Young, J. R. W., B.S.A., M.Sc.
Sask.

Actg Hd of Dept. and
Assoc. Prof.

Coulthard, T. L., B.E. Sask.
Asst. Prof.

Agricultural Mechanics

Young, J. R. W., B.S.A., M.Sc.
Sask.

Actg. Hd. of Dept. and
Assoc. Prof

Coulthard, T. L., B.E. Sask.
Asst. Prof.

Agronomy

Moe, G. G., B.S.A., M.Sc. McG.,
Ph.D. Cornell

Hd. of Dept. and Prof.

Laird, D. G., B.S.A. Tor., M.S.,
Ph.D. Wisc. (Soils) Prof.

Brink, V. C., Ph.D. Wisc., M.S.A.
Assoc. Prof.

Rowles, C. A., M.Sc. Sask., D.Phil.
Minn. (Soils) Assoc. Prof.

Animal Husbandry

King, H. M., B.S.A. Tor., M.S.
Oregon Ag Coll.

Hd of Dept. and Prof.

Wood, S. N., B.S.A. Sask., D.V.M.
Iowa St. Coll. Prof.

Berry, J. C., Ph.D. Iowa St. Coll.,
M.S.A. Assoc Prof.

Phillips, C. E., V.S., D.V.M Ont.
Vet. Coll. (Fur Animals)

Assoc. Prof.

Wood, A. J., Ph.D. Cornell, M.S.A.
Assoc. Prof.

Dairying

Eagles, B., Ph D. Tor., B.A.

Hd. of Dept. and Prof.

Campbell, J. J. R., Ph.D. Cornell,
B.S.A. Assoc. Prof.

Neilson, Nora, M.S.A. Instr.

Farm Mechanics

Young, J. R. W., B.S.A., M.Sc.
Sask.

Actg. Hd. of Dept. and
Assoc. Prof.

Horticulture

Barss, A. F., A.B. Roch., B.S.Agr.
Corn., M.S. Oreg. Ag. Coll.,
Ph.D. Chic.

Hd of Dept. and Prof.

Harris, G H., M.S. Oreg. St Coll.,
Ph.D Calif., B.S.A. Prof.

Buck, F. E., B.S.A. McG.

Hon. Prof.

McMullan, Miss M. J , B.S.A.

Instr.

Poultry Husbandry

Lloyd, E. A., B.S.A. Sask , M.S.A.
Wash. St. Coll.

Hd. of Dept. and Prof.

Biely, J , M.S. Kansas St. Coll.,
M.S.A. Assoc. Prof.

University Extension

Shrum, G M., O.B.E., M.M., M A.,
Ph D. Tor., F.R.S.C. Director

Large, K. D. M., B A., B Com.

Asst. Dir.

Boroughs, R. J., M A. Asst. Dir.

Somerset, Dorothy, A.B. Radcliffe
(Dramatics) Asst.

Barton, N., M.A. (Visual Educn.)
Asst.

Smith, Marjorie V., B A. Sask. (on
leave of absence) Asst.

Renney, A., M S.A. Calif , B S.A.
(Agriculture) (on leave of
absence) Asst.

University Health Service

Murray, Stewart, M.D., D P.H.
Tor. Univ. Health Officer.

Cockcroft, W. H., M.D., D.P.H.
Medical Officer.

Gundry, C. H., M.D.

Cunningham, G. T.
Univ. rep. on Metropol.
Health Cttee.

Public Health Nurses

Upshall, Muriel, B.A.Sc.

Worrall, Mrs. Jeanne E., B A.Sc.

Ross, (Miss) R., B.A.Sc.

Taylor, Mrs. E. M., B.A.Sc.

Physical Education

Osborne, R. F., B.A.

Assoc. Prof. and Director
of Phys. Ed. (men).

Henderson, Marion, B.A. Tor.

Assoc. Prof. and Director
of Phys. Ed. (women).

Whittle, H D., B.-P.H.E. Tor.

Asst. Prof. and Assoc.
Dir. of Phys. Ed. (men).

Leeming, Marjorie, B A. Lectr.

Clay, Isobel, Dipl. in Phys. Educn.
McG (on leave of absence) Instr.

Wynne, I , B.A. McM. Asst. Prof.

Pomfret, J., B.A. (Health and
P.E.) Wash. Instr.

Carmichael, Jean, B.A. Instr.

Adams, May, B.Sc. (Phys. Ed.)
McG. Instr.

Laithwaite, A. B., Dip. in Phys. Ed.
Instr.

AFFILIATED COLLEGES

VICTORIA COLLEGE, Victoria. Affiliated, 1920, for 1st and 2nd years in Arts. Principal—John M. Ewing, B.A. Qu., D.Pæd. Tor., Prof. of *Philosophy and Psychology*; Vice-Principal—J. A. Cunningham, B.A. Qu., Assoc. Prof. of *Biology, Botany and Zoology*; 5 Assoc. Profs., 8 Asst. Profs., 9 Instrs.

UNION COLLEGE OF BRITISH COLUMBIA, Vancouver (United Church of Canada)—Principal, Rev. J. G. Brown, M.A., D.D.; and THE ANGLICAN THEOLOGICAL COLLEGE OF BRITISH COLUMBIA, Vancouver—Principal, Rev. K. E. Taylor, O.B.E., M.A. Ox., B.D. Western Both Colls. were affiliated in 1922.

GENERAL INFORMATION

The University of British Columbia was incorporated by an Act of 1908. For early history, see *Yearbook* for 1929. The University site consists of 548 acres on the headland of Point Grey, 300 feet above the sea. Here a group of buildings constructed at a cost of nearly \$2,000,000 was opened in Oct. 1925.

The Board of Governors consists of the Chancellor, elected by Convocation, President, and 9 persons—3 elected by the Senate and 6 appointed by the Lieut.-Govr. in Council. The Senate consists of the Chancellor, President (as Chairman), Deans, and 2 Profs. of each Faculty, 3 nominees of the Lieut.-Govr. in Council, principals of normal schools, one member elected by high school principals and assts., one by each affiliated Coll. in the Province, 15 by Convocation, one by the B.C. Teachers' Federation.

The Univ. is an integral part of the public educational system of the Province, and its function is to complete the work begun in the public and high schools. It is the policy of the Univ. to promote education in general and, in particular, to serve its constituency through three channels—teaching, research, and extension work. It furnishes instruction in the various branches of a liberal education, and in those technical departments which are most directly related to the life and industries of the Province. The people of the Province are informed of the results of special work by the staff of the Univ. through the Department of University Extension.

The LIBRARY has 170,000 vols. and about 25,000 pamphlets, and regularly receives 900 periodicals. It is one of the three Canadian Depositories of the Library of Congress Catalogue, and possesses a Carnegie Corporation Music Set. LABORATORIES available for all courses. A Forest Products Lab. was established in 1918 by the Forestry branch of the Dept. of the Interior as a permanent branch of the F.P. Labs. of Canada. HERBARIUM, 16,000 sheets native flora, 200 water-colours B.C. Fungi. BOTANICAL GARDENS, Arboretum and Economic Section 5 acres.

FACULTIES Arts and Science (including Commerce), Applied Science (Civil, Elect., Mech., Forest, Geological, Metallurgical, Mining and Chemical Engineering, Chemistry, Nursing and Health), Agriculture (including Dairying and Horticulture), Law.

MATRICULATION examns., Junior and Senior, are arranged by the High School and Univ. Matricn. Board of the Province, consisting of members appointed by the Dept. of Education and by the Univ. Every student is submitted to a physical examn. on entrance to the University.

DEGREE COURSES. B.A., B.H.E., B.P.E., 4 yrs. (3 from Senior Matricn.). B.Com., B.A.Sc. in Applied Science, 5 yrs. (4 from 1st yr. in Arts or Senr. matricn.). B.S.F. (Forestry), 5 yrs. B.S.A., 4 yrs. from Junr. matricn.

Double courses, B.A. and B.S.A., 5 yrs., B.A. and B.A.Sc., B.A. and B.Com., 6 yrs. LL.B., 3 yrs. (from 2nd yr. in Arts and Sci.). B.S.P., 4 yrs. M.A., M.A.Sc., M.S.A., and B.S.W., 1 yr. postgraduate. M.S.W., B.Ed., 2 yrs. postgraduate work.

OTHER COURSES. Short Courses in Agric. at the Univ. and elsewhere. 1 yr. course in Public Health for graduate nurses. Occupational Course of 1 yr. in Agriculture; Teacher Training Course. Evening Courses and Short Courses, with summer excursions, in Botany

SUMMER SESSION. Teachers and others with full Matricn. standing may pursue Univ. courses and receive credit therefor towards the B.A. degree. Arrangements are made for the delivery of lectures by Profs. and teachers from other Univs.

UNIVERSITY EXTENSION. Under a grant from the British Dominions and Colonies Fund of the Carnegie Corporation of New York, the Univ. organized early in 1936 a Dept. of Univ. Extension. The present activities of the Dept. include (a) Extension Lectures at various centres throughout the Province; (b) Evening Classes; (c) Discussion Groups; (d) Dramatics; (e) Agriculture; (f) Workshop in International Relations; (g) Short Courses carrying no acad. credit during both Winter and Summer Sessions; (h) Visual Instruction by means of (i) Lantern and Film Slide Service, (ii) Moving Picture Service; (i) Radio broadcasts; (j) Library assistance to those who wish to do systematic reading; (k) Art and Music Courses, thanks to facilities supplied by Carnegie Art Teaching Set and Carnegie Music Set; (l) Public Relations—items of interest to the public are prepared and released to the press; (m) Educational programme for British Columbia Fishermen.

FEES, inclusive for tuition, \$180-\$230 per session.

SCHOLARSHIPS AND FELLOWSHIPS FOR GRADUATES. University Scholp., \$200; Anne Westbrook Scholp., \$125; Dr. F. J. Nicholson Scholps. (1) for Chem., \$500, (2) for Geol., \$500; two B'nai B'rith District No. 4 Hillel Foundation Scholps., ea. \$125; Standard Oil Co. of British Columbia Ltd. Fellowship, \$950; Powell River Co. Ltd. Scholp., \$700; British Columbia Electric Rly. Co. Ltd. Research Scholp., \$500; Britannia Mining and Smelting Co. Ltd. Scholp., \$250; two Cariboo Gold Quartz Mining Co. Ltd. Scholps., \$100; Cominco Fellowship, \$750; Lions Club Fellowship, \$1200; Canadian Pulp and Paper, Western Branch, Fellowship, \$1000; Shell Oil Fellowship for Research, \$750 plus tuition fees; Canadian Industries Ltd. Fellowship for Research, \$750.

RESIDENCE. Board and lodging in vicinity of the College from \$45 upwards p.m. **ACADIA CAMP,** accommodation for about 80 women and 288 men. Terms, \$40 p.m. **FORT CAMP,** accommodation for 350 men. Terms, \$40 p.m.

HEALTH SERVICE FOR STUDENTS. Each student on admission is given complete physical examn., including tuberculin skin test and chest X-ray. Before participation in athletics all women students are annually medically examined and men students are checked as to physical fitness for participation in strenuous athletics. A scheme for the control of communicable diseases and the following up of defects is in operation and first-aid is rendered by a full-time public health nurse. The Medical Officer is available at specified hours for consultation.

UNIVERSITY EMPLOYMENT BUREAU. Director—Major John F. McLean, D.S.O., B.A.

PUBLICATIONS. *Requirements for Matriculation*; *Calendar* (April); *Summer Session Announcement of Courses*.

THE YEAR 1946-47

HONORARY DEGREES. *LL.D.*—Samuel John Willis; Walter Sainsbury Woods, Deputy Minister of Veterans Affairs; Bernard Heinze, Prof. of Music, Melbourne Univ. Conservatorium. *D.Sc.*—Wilder Graves Penfield, Director of the Montreal Neurological Inst.

STUDENTS. Full-time: 9035 (including 270 graduates). Short Courses: Summer Session, 1946, 2368. Occup. Course, 161; Public Health Nursing, 61; Botany, 43; Directed Reading Course, 234; Social Work, 93; Teacher Training Course, 46.

DEGREES. B.A., 481; M.A., 37; B.Com., 207; B.Ed., 34; B.H.E., 28; B.A.Sc., 136; B.A.Sc. (Nurs.), 18; B.S.F., 10; M.A.Sc., 24; B.S.W., 57; B.S.A., 56, M S A., 14.

DALHOUSIE UNIVERSITY

HALIFAX, NOVA SCOTIA

Founded 1821

With which is affiliated King's College

CHAIRMAN OF THE BOARD OF GOVERNORS—Lt-Col. K. C. LAURIE,
D C.L. Vind.

PRESIDENT OF THE UNIVERSITY—ALEXANDER E. KERR, B.D. Union
Sem., N.Y., D.D. United Coll., LL.D Mt. A., B.A.

REGISTRAR—H. L. SCAMMELL, M D., C M.

TEACHING STAFF

Anatomy

Mainland, D., M.B., Ch.B., D Sc.
Edin., F.R S.Ed., F R.S.C.

Campbell Prof.

Saunders, R. L. de C. H., M B,
Ch.B., M.D. Edin., F R S Ed.
and S.A. Assoc. Prof.

Murray, I M., M.D., C M.

Asst Prof.

Saunders, Moya, M.B., Ch B.
Edin. Instr.

Graham, J. V., M D., C.M.,
F.A.C.S. Demr.

Nichols, Roberta Bond, B.A.,
M.D., C.M. Demr.

MacDonald, Jean, B.Sc., M.D.,
C M. Demr.

Mainland, Ruth M. Tech. Asst.

Art, v. Fine Arts

Biblical Literature

Andrews, Elias, M A., Ph.D. Drew,
B.D. Pine Hill, B.A. Lectr

Biochemistry, v. Fisheries, and
v. Med. *infra*

Biology

Bell, H. P., Ph D Tor., M.Sc.
Campbell Prof.

Hayes, F. R., Ph.D. Liv., M.Sc.,
F.L.S., F.R.M.S. Assoc. Prof.

Pelluet, Dixie, M.A. Tor., M.A.,
Ph D. Bryn Mawr

Assoc. Prof.

Chemistry

Coffin, C. C., M.Sc., Ph.D. McG.,
B.A., F R.S.C. Shurreff Prof.

Chute, W J., B.Sc. Acadia, M A.,
Ph.D. Tor. Assoc. Prof.

Foran, M. R., M.Sc. Sask., Ph D.
McG. Assoc. Prof.

Schrage, S., M Sc. Instr.

Pattison, F. L. M., M.A., Ph.D.
Camb. Instr.

Classics

Griffin, A. K., M.A. Tor. and Ox.,
Ph.D. Tor Prof. (K.).

Roebuck, C A., M.A. Tor., Ph.D.
Chic. Assoc. Prof.

Doull, J. A., M.A. Tor., B.A.
Asst. Prof.

Commerce

Cumming, R. S., M.A. McG., B A.
Black Prof.

Milner, J. B., LL.B. Lectr.

Lloyd, J. E. Instr.

Dentistry, v. infra

Economics and Sociology

Maxwell, W. R., M.A. Harv., B.A.
Prof. (K.).

Prince, Rev. S. H., M.A. Tor.,
Ph.D. Col. Prof. (K.).

(K.) = King's College.

- Read, L. McK., B.A. Asst. Prof.
 Robertson, G. B., LL.M. Harv.,
 B.A., LL.B. Instr.
- Education*
 Mowat, A. S., M.A., B Ed. Edin
 O. E. Smith Prof
- Engineering*
 Theakston, H. R., B.Sc. (Mining)
 N.S.T.C. Prof
 Bowes, W. H., B.E. N.S.T.C.
 Assoc. Prof.
 MacKenzie, A. G., B.E. N.S.T.C.
 Asst. Prof.
 Smith, C. H., B.Sc. (to 31.5.48)
 Instr.
- Engl. Lang. and Lit.*
 Bennet, C. L., M.A. Camb., A.M.
 Harv. Munro Prof.
 Martin, J. B., M.A. Tor., Ph.D.
 Harv. Assoc. Prof. (K.).
 Lambertson, C. L., M.A. Alta
 Asst. Prof. (K.).
 Alley, Doreen M., B.A. Lectr.
 Greer, H. K., M.A. Instr.
- Fine Arts*
 Mackey, D. C. Lectr.
- Fisheries*
 Beatty, S. A., M.A. Qu., Ph.D.
 McG. (Biochem.) Assoc. Prof.
 Castell, C. H., M.S.A. Tor. (Bac-
 teriol.) Sp. Lectr.
- Geology*
 Douglas, G. V., M.C., M.Sc. McG.,
 F.G.S., F.G.S.A., F.R.S.C.
 Carnegie Prof.
- History*
 Wilson, G. E., M.A. Qu., Ph.D.
 Harv.
 Dean, Arts and Sci.,
 Munro Prof.
 Walker, Rev. A. S., M.A. Leeds and
 Birm., B.Litt. Ox., D.D. Qu.,
 LL.D. Prof. (K.).
 Harvey, D. C., M.A. Ox., B.A.,
 LL.D., F.R.S.C. (Can. Hist.)
 Lectr.
- Heisler, J. B., B.A. Br. Col., M.A.
 McG. Lectr
- Law, v. infra*
- Mathematics*
 Adshead, J. G., M.A. Camb.
 Assoc. Prof.
 Walmsley, C., M.A. Camb.
 Assoc. Prof.
 Edwards-Davies, M. Lectr.
 Heaps, H. S., B.Sc. Manc. Lectr.
 MacLellan, I. A., B.Sc. Lond.
 Lectr. (K.).
- Medicine and Surgery, v. infra*
- Modern Languages*
 Lafeuille, Germaine, Ag. de l'U.
 Paris (French and Italian)
 Prof.
 Richter, L., Dr. jur., Dr. rer. pol.
 Breslau (German) Prof.
 Mercer, C. H., M.A., B.Com.
 Manc. (French and Spanish)
 Assoc. Prof.
 Richter, Johanna, M.A. Tor. (Ger-
 man) Sp. Lectr.
 Griffin, A. K., M.A. Tor. and Ox.,
 Ph.D. Tor. (Russian)
 Lectr. (K.).
 Coffin, I., L. ès L. Sorbonne
 (French and Russian)
 Sp. Lectr.
 Joly, Lucie, L. ès L., D.E.S.
 (French) Lectr.
- Music*
 Dean, H. L., M.A. Belf. and Ox.,
 Ph.D. Belf., F.R.S.C.
 Sp. Lectr.
 McKinley, C. Examiner.
- Philosophy*
 Stewart, H. L., M.A. Belf. and
 Ox., Ph.D. Belf., F.R.S.C.
 Munro Prof.
 Grant, G. P., B.A. Qu. Asst. Prof.

Physics

Johnstone, J. H. L., M.B.E.,
Ph.D. Yale, M.Sc.

Munro Prof
Henderson, G. H., O.B.E., Ph.D.
Camb., M.A., B.Sc., F.R.S.C.,
F.R.S. Prof. (K.).

Archibald, W. J., Ph.D. Virginia,
M.A. O. E. Smith Prof.

Guptill, E. W., B.Sc. Acadia, M.Sc.
W. Ont., Ph.D. McG.

Asst. Prof.

Physiology

Weld, C. B., M.A. Br. Col., M.D.
Tor. Prof.

Schachter, M., M.Sc., M.D., C.M.
McG. Asst. Prof.

Milner, Jean P., B.A., M.S.A. Br.
Col. Demr.

Political Science

Read, L. McK., B.A. Asst. Prof.

Robertson, G. B., LL.M. Harv.,
B.A., LL.B. Sp. Lectr.

Psychology

Page, F. H., M.A. Tor.
Assoc. Prof. (K.).

Law*Contracts, Corporations, Legisla-
tion, Taxation*

Milner, J. B., LL.B. Assoc. Prof.

Criminal Law

Murray, N. D., LL.B., K.C. Lectr.

Evidence

Doull, Hon. John, B.A., LL.B.
Lectr.

Equity

Cooper, A. G., B.A., B.C.L. Ox.,
B.Com. Lectr.

*Hist. Engl. Law, Bills and
Notes, Agency and Partner-
ship, Property*

Feeney, T. G., LL.B. Asst. Prof.

Insurance

Jones, F.H.M., M.C., B.A., LL.B.
Lectr.

Procedure

Hanway, J. A., LL.B., K.C. Lectr.
Rutledge, J. E., B.A., LL.B., K.C.
Lectr.

*Property, Equity, Conflicts,
Mortgages*

Hancock, J. E. M., B.A. Tor.,
S.J.D. Mich.

Viscount Bennett Prof.

Shipping

Smith, F. D., K.C. Lectr.

Torts, Sales, Constitutional L.

MacDonald, V. C., B.A., LL.B.,
K.C.

Dean of Law, Dean
Weldon Prof.

Medicine

(for subjects of the first 2 yrs.—
Anat., etc., v. *supra*)

*Bacteriology, v. Pathology**Brochemistry*

Young, E. G., B.A., M.Sc. McG.,
Ph.D. Camb., F.R.S.C. Prof.
Begg, R. W., M.Sc., M.D., C.M.

Asst. Prof.

Milner, Jean P., B.A., M.S.A. Br.
Col. Demr.

*Epidemiology and Nursing
Educn.*

Stewart, C. B., B.Sc., M.D., C.M.,
M.P.H. J. Hop. Eddy Prof.

Peabody, Jean A., B.A. N. Bruns.
Statis. Asst.

Eye, Ear, Nose, and Throat

Schwartz, H. W., M.D., C.M.,
F.A.C.S. Prof.

Stoddard, R. H., M.D., C.M.,
F.A.C.S. Assoc. Prof.

Doull, A. E., M.D., C.M.
Asst. Prof.

Kirkpatrick, H. W., M.D., C.M.
Asst. Prof.

MacRae, D M , B.Sc , M.D., C.M.
Demr.
Holland, L. G , B.A , M.D., C.M.
Demr.

Gynecology, v. Obst.

Histology and Embryology

Bean, R. J , M.S N.H. Prof.
Mainland, D., M.B , Ch B , D Sc ,
F R.S Ed., F.R S.C.

(Structural Neurol) Prof
Bean, Elizabeth S , B.A. Cinn.,
M.A., Ph D. Wis Instr.

Hospital Administration

Bethune, C. M , M.B.E , B.Sc.,
M.D., C.M. Prof.

Materna Medica

Kunley, G. S Lectr.
Cooke, J Esmonde Demr.
MacKnight, Jessie I Demr.

Medical Jurisprudence and Toxicology

Murray, A. E , B A , M.D., C.M.
Prof.

Medicine and Clin. Medicine

Holland, C. W , B.A., M.D., C.M.,
F.R.C.P.C. Tory Prof.
Corston, J. R , B A., M.D., C.M.,
F.R.C.P.C. Assoc Prof.
Carney, M. J., M.D., C.M. McG.,
B A , F.R.C.P.C. Assoc Prof.
Skinner, N., M.D., C.M. McG.

Assoc. Prof.
Sieniewicz, T. M., M.D., C.M.

Assoc. Prof.
MacIntosh, J. W., M.D., C.M.,
F.A.C.P. Assoc. Prof.
Tonning, D. J., M.D., C.M.

Asst. Prof.
Reid, J. W., M.D., C.M. Asst. Prof.
Miller, A. F., M.D., C.M, LL.D ,
F.R.C.P.C. Asst. Prof.
Scammell, H. L., M.D., C.M. Lectr.
Morton, A. R (also Prev. Med. and
Psychiatry) Demr.

Clinical Instructors

Gosse, Margaret, B.A., M.D., C.M.
McG.

MacDonald, R M , B S A. McG ,
M.B., Ch B Edin , F R C.P.C
Steeves, L C., B.A. Mt A , M D ,
C.M McG., F.R C.P.C.

Demr. in Clin. Medicine

Dyer, W J , B.Sc., M.D., C.M.

Nursing Education v. Epidemiology

Obstetrics and Gynecology

Atlee, H. B , M.C , M.D., C.M.,
F.R.C.S. Edin. and Can.
(Obstet and Gyn.) Prof
and (Pract. Obstet.)
Demr.

Macdonald, P. A , M.D., C.M.
McG. (Practical O.)

Demr. and Chief of Clinic,
Prof

Colwell, W. G., M.D., C.M.

Assoc Prof

White, G. M., M.D., C.M. McG.,
F A.C.S , F.R.C.S.C.

Assoc. Prof.

Grant, K. M., B.Sc , M.D., C.M.
Lectr

*Pathology, Bacteriology, and
Parasitology*

Smith, R. P., M.D., Ch.B. Glas.,
D.P.H. Glas. and Edin. Prof.
Abbiss, J. W., M.B., Ch.B. Berm.
Asst Prof.

Harlow, C M., B.Sc. Acadia,
Ph.D., M D , C M McG.

Lectr.

Kitz, Alice, M.B., Ch B Aberd.
Demr.

Pædiatrics

Wiswell, G. B., M.C., B.A., M.D.,
C.M. Prof.
Carney, M. J. (also Clin. Med.)

Prof.

Coward, N. B., M.D., C.M.
Asst. Prof.

Murray, A. E., B.A., M.D., C.M.
Instr.

Campbell, J. G. D., M.D., C.M.
Demr.

Fleming, Adelaide L., B.Sc., M.D.,
C.M. Demr.
Rice, R. G., M.D., C.M. McG.
Demr.

Pharmacology

Whillans, M. G., M.D. Tor.
Assoc. Prof.
Aldous, J. G., M.A. Br. Col., Ph.D.
Tor. Asst. Prof.

Preventive Medicine

Grant, H. G., M.D., C.M.
Dean of Med., Prof.
Campbell, P. S., M.D., C.M. McG.
Asst. Prof.
Morton, A. R., M.D., C.M., M.P.H.
J. Hop. Asst. Prof.
Mackenzie, D. J., M.D., C.M.,
F.R.C.P.C., F.A.P.H.A.
Asst. Prof.
Beckwith, C. J. W., B.A., M.D.,
C.M., D.P.H. Tor., F.C.C.P.
Lectr.
Hubley, Jane (Hyg.) Asst. Lectr.

Psychiatry

Jones, R. O., B.Sc., M.D., C.M.
Assoc. Prof.
MacKay, R. W. M., M.D., C.M.,
F.A.P.A. Asst. Prof.
Leslie, W., M.D. Manit. Lectr.
Wellman, M., M.D. Tor., Dipl. in
Psychiatry Tor. Lectr.
Morton, A. R. (also Clin. Med. and
Prev. Med.) Demr.
MacDonald, Jean, B.Sc., M.D.,
C.M. Demr.
Dunsworth, F. A., M.D., C.M. (on
leave) Clin. Asst.

Radiology

Johnston, S. R., M.D., C.M. Lectr.

Surgery and Clin. Surgery

Curry, W. A., M.D., C.M. McG.,
B.A., F.R.C.S. Prof.
MacDougall, J. G., M.D., C.M.
McG., F.R.C.S.C., F.A.C.S.
Prof.
Murphy, G. H., M.D., C.M.,
F.R.C.S.C., F.A.C.S. Prof.

Skinner, G. F., M.D., C.M. McG.,
F.R.C.S. Ed. and Can.,
F.A.C.S. Assoc. Prof.
Kinley, C. E., M.D., C.M., F.A.C.S.
Assoc. Prof.
Mader, V. O., M.D., C.M. McG.,
F.R.C.S.C. Assoc. Prof.
Gosse, N. H., M.D., C.M., F.A.C.S.
Assoc. Prof.
Graham, J. V., M.D., C.M.,
F.A.C.S. Assoc. Prof.
Muir, W. L., M.D., C.M. McG.
Asst. Prof.

Davis, Hon. F. R., M.D., C.M.,
F.A.C.S. Asst. Prof.
Noble, J. A., O.B.E., B.A. Acad.,
M.B., Ch.B. Edin., F.R.C.S.
Ed. Asst. Prof.
Ross, E. F., O.B.E., B.Sc., M.D.,
C.M., F.A.C.S. Asst. Prof.
Murphy, A. L., B.A., M.D., C.M.,
F.A.C.S. Asst. Prof.
O'Brien, H. D., B.A., M.D., C.M.,
F.A.C.S. Asst. Prof.
Merritt, J. W., M.D., C.M.,
F.R.C.S.C. Asst. Prof.

Acker, J. C., M.D., C.M. McG.
Asst. Prof.
Acker, T. B., M.D., C.M.
Asst. Prof.
Stevenson, W. G., M.D. Tor.
Asst. Prof.

Marshall, A. M., M.D., C.M.,
F.R.C.S. Ed. Instr.
Stoddard, C. C., M.D., C.M. Instr.
Covert, G. L., B.Sc., M.D., C.M.
Instr.
Weatherbe, P., M.B., Ch.B. Edin.,
F.A.C.S. Demr.
House, W. K., M.D. Manit.,
F.R.C.S. Ed. Demr.

Urology

Mack, F. G., M.B. Tor., B.A.,
F.R.C.S.C., F.A.C.S. Prof.
Gosse, C. L., B.Sc., M.D., C.M.
Instr.
Dyer, W. J. (also Clin. Med.)
Demr.

House, W. K., M.D. Manlt.,
F.R.C.S.Ed. Demr.
Reardon, C. H., M.D., C.M. Demr.
Woodbury, J. F. L., B.Sc., M.D.,
C.M. Demr.

Dentistry

Crown and Bridge Work, etc.

Chudleigh, G. A., D.D.S., B.C.D.S.
Prof
Dewis, G. M., D.D.S. Asst. Prof.
Merritt, J. E., D.D.S. Lectr.

D. Anatomy, etc.

McGuigan, J. P., D.D.S. Lectr.

D. History, Jurisprudence, Ethics, and Economics

Dewis, G. M., D.D.S. Lectr.
Bissett, F. W. M., B.A., LL.B.
Lectr.
Dunlop, A. A., D.D.S. Lectr.

D. Pathology and Therap.

Haverstock, A. B., D.D.S., B.Sc.
(Dent.) Tor. Lectr.

Dentistry

Bagnall, J. S., D.D.S., F.A.A.R.D.
Dean of Dent., Prof.

Exodontia

Croft, O. L., D.D.S. Tor. Prof.

Operative D.

Dobson, J. W., D.D.S. Prof.
Eaton, D. C., B.Sc. Acadia, D.D.S.
Lectr.

Demrs. in Operative Infirmary

Archibald, L. J., D.D.S.
Christie, P. S., D.D.S.

Crosby, H. S., D.D.S.
Dawson, W. G., D.D.S.
Dewis, G. M., D.D.S.
Dunlop, A. A., D.D.S.
Eaton, D. C., B.Sc. Acadia, D.D.S.
Eaton, H. M., D.D.S.
Oldfield, S. K., D.D.S.
Pentz, D. G., D.D.S.

Oral Surg., Anæsth and Physical Diagnosis

Croft, O. L., D.D.S. Prof.
Noble, J. A., B.A. Acad., M.B.,
Ch.B., F.R.C.S. Ed. Assoc. Prof.

Orthodontics

Woodbury, W. W., B.Sc., D.D.S.
P.D.C. Prof.

Prosthetic D.

..... Prof.
Dawson, W. G., D.D.S. Asst. Prof.
Climo, C. B. H., D.D.S. Lectr.

Radiology

Eaton, H. M., D.D.S. Prof.

Pre-School Age Clinic

Haverstock, A. B., D.D.S., B.Sc.
(Dent.) Tor. Demr.

Adult Clinic

Fennell, F. C., D.D.S. Demr.
Lubetsky, I. K., D.D.S. Demr.
Nutlay, A. G., M.D. Vienna and
Rome, D.D.S. Demr.

Physical Education

McCormick, John D., B.A.,
St. F.X. Instr.
MacKeigan, Patricia, B.P.H.E.
Tor. Instr.

ASSOCIATED AND AFFILIATED INSTITUTIONS

UNIVERSITY OF KING'S COLLEGE, v. *infra*.

PINE HILL DIVINITY HALL, Halifax. Classes and examns. in Hebrew and in New Testament Greek at Pine Hill are recognized as qualifying for the B.A. Students may complete the Div. course at the Coll. and take the B.A. in 6 yrs. Confers the degree B.D. Principal, Rev. C. M. Nicholson, B.A., D.D. 3 other profs.

PRINCE OF WALES COLLEGE, Charlottetown, P.E.I. Students holding certain certifs. of the Coll. enter the 1st or 2nd yr of the B.A. course. Principal, G. D. Steel, M.A., LL.D.

MEMORIAL UNIVERSITY COLLEGE, St. John's, Newfoundland. Students who have completed the regular course of Memorial Univ. Coll. are admitted to the Arts and Science course without further examn., and may receive credit in classes of the 1st and 2nd yrs. President, A. G. Hatcher, M.A., LL.D.

HALIFAX CONSERVATORY OF MUSIC. Courses recognized for B.Mus. and Lic.Mus.

HALIFAX LADIES' COLLEGE. Students who have completed the regular course and received the Matriculation Diploma are admitted to the Arts or Science course without further examn. Principal, Miss M. B. Dauphinee, B.A.

MARITIME COLLEGE OF PHARMACY. Courses recognized as part of the qualifications for B.Sc. (Pharmacy). Acting Dean, J. D. Walsh.

FISHERIES RESEARCH BOARD OF CANADA. Classes in Fisheries recognized for M.Sc.

CONVENT OF THE SACRED HEART (Mother Superior, Rev. Mother C. Murphy) and MOUNT ST. VINCENT COLLEGE (President, Sister M. Rosaria). Recognized for Advanced Standing in 1st and 2nd yrs. in Arts.

GENERAL INFORMATION

Dalhousie College, founded in 1818 by the Earl of Dalhousie, was in 1841 granted Univ. powers. For early history, see *Yearbook* for 1929.

Appointments to the Board of Governors are made by the Govr in Council on the nomination of the Board.

LIBRARIES. Arts and Science—75,551 books and bound periodicals; Medical and Dental—19,631 books and 3500 bound journals and pamphlets; Law—20,000 books and bound journals. MUSEUMS. Ornith., Zool. PUBLIC ARCHIVES OF NOVA SCOTIA, comprising MSS., newspapers, historical pictures, and research libraries. LABORATORIES: Physics, Chem., Geol., Biol., Engin., Anat., Biochem., Physiol., Histol., Path., Pharm.

AN INSTITUTE OF PUBLIC AFFAIRS, in which Professors of the Faculties of Arts, Law and Medicine cooperate, was established during the session 1936-37. The Institute is assisted by a Council on which the governments of Canada's Maritime Provinces and of Newfoundland and the major Universities of these areas are represented. The research carried out under its auspices is mainly concerned with problems of municipal government and social services. Affiliated with the Institute are the Maritime Bureau of Industrial Relations, the Maritime Labour Institute, and the Nova Scotia Municipal Bureau.

FACULTIES. Arts and Science (including Commerce, Music, Pharmacy, Fisheries, Engineering and Education); Law; Medicine; Dentistry.

MATRICULATION requirements are articulated to the High School system of the Province, which covers the last 4 years of the Public School 12 year course. To be admitted to a regular course leading to B.A., B.Sc. or B.Com. a student must have credit for 7 subjects of Junior Matricn. in (1) English, (2) Algebra, (3) Geometry, (4) and (5) any two of Hist., Physics, Chem., Biol., Geol., Trigonometry, Latin, Greek, French, German, Spanish, Russian, (6) and (7) two foreign langs. For B.A. one matricn. lang must be Latin or Greek, for B.Sc. one must be French or German; for B.Com. one must be French or

German or Spanish; B.Mus.—(1), (2) French, (3) German, (4) Algebra, (5) Geometry, (6) Music, (7) one other subject; LL.B.—As for B.A. or B.Sc., including Latin, and completion of ten classes of the Arts course; M.D., C.M. and D.D.S.—As for B.A. or B.Sc., and completion of the following ten Univ. classes: Engl. 1, Hist. 20, Maths. 1, Chem. 1, 2, 4, Physics 1, Biol. 1, Zool. 2, and an elective. German 3 is recommended; B.Sc. (Pharm.)—As for B.A. or B.Sc., including Latin.

DEGREE COURSES. 4 yrs.—B.A., B.Sc., B.Com., B.Mus.; 3 yrs., following certain Univ. classes (v. *supra*)—LL.B.; 4 yrs.—D.D.S.; 5 yrs.—M.D., C.M. (taken together). The M.A. or M.Sc. is given on successful completion of an approved 1-yr. course of study by a B.A. or B.Sc., respectively, of an approved Univ. B.Ed. is given on 1-yr. course plus thesis.

In addition to the Ordinary course in Arts and Science there are Honour courses in certain subjects and groups of subjects.

DIPLOMA COURSES. Engineering, 3 yrs.; Pharmacy, ordinary, 2 yrs.; Education, 1 yr.: candidates must have received the B.A. or B.Sc. degree from a College or Univ. recognized by the Senate; Lic.Mus., 2 yrs.

Music and Pharmacy courses are taken in the Affiliated Institutions, v. *supra*.

FEES. Tuition: Arts or Science, \$150 p.a. for 5 subjects (laboratory fees additional, \$10-20 per subject); Commerce, for 5 subjects, \$200 p.a.; Law, \$250 p.a.; Medicine, \$325 p.a.; Dent., \$315 p.a. including use of microscope and dental engine; Dip. course in Engin., \$200-225 p.a. Other fees: Registration, \$21; caution deposit, \$2; lab. deposits when required, \$20 maximum; Students' Council, \$13. Additional annual fee of \$250 charged to students from outside British Empire entered in professional or pre-professional courses.

SCHOLARSHIPS FOR GRADUATES. \$500 Resident Fellowship for Women; Macgregor Fellowships in Physics; Belle Crowe Fellowship in Inorganic Chemistry, Public Administration \$350 and \$250.

LOAN AND AID FUNDS for students have been instituted.

RESIDENCES. Hostel for 100 women students, erected at a cost of \$400,000. Charges \$335-\$360 p.a. Residence for men, accommodating 60. Charges from \$355 p.a. Catering service for all male students. Temporary apartments for 63 married couples.

STUDENTS' HEALTH SERVICE AND PHYSICAL TRAINING. All students are required to submit to an annual medical examn. at beginning of session. The Students' Health Service provides for this examn. and for medical services for minor ailments.

A modern Gymnasium provides adequate facilities for recreation and physical training.

All first-year students are required to take a course in physical training under supervision of Director of Univ. Gymnasium.

PUBLICATIONS. *Calendar* (May); *Annual Report* (Aug.); *Gazette* (Oct.-Mar.), *Dalhousie Review*, quarterly; *Public Affairs*, quarterly. The following three bulletins are published monthly: *Industrial Relations*, *Labour and Learning*, *Municipal Affairs*.

THE YEAR 1946-47

BENEFACTIONS. \$487,292.

OTHER DEVELOPMENTS. Health Surveys in rural sections of Nova Scotia are being conducted by the Institute of Public Affairs.

EXTRA-MURAL WORK. Extension courses for municipal officers and representatives of industry, including personnel officers, and for members of trade unions, conducted by Institute of Public Affairs.

RESIGNATIONS. *Professores Emeriti*—Prof. H. L. Bronson (Physics); Prof. K. A. MacKenzie (Med.); Prof. S. G. Ritchie (Dental Anat.).

DEATHS. Donald A. Cameron, member of the Board of Governors; Dr. F. V. Woodbury (Med.).

HONORARY DEGREES. LL.D.—Field Marshal The Rt. Hon. Bernard Law Montgomery, Viscount Montgomery of Alamein; H.E. Field Marshal The Rt. Hon. The Viscount Alexander of Tunis; The Rt. Hon. Louis Stephen St. Laurent, K.C., Secretary of State for External Affairs; Sidney Earle Smith, K.C., President, University of Toronto; Murray Macneill, M.A., Church of Scotland Prof. of Mathematics; Howard Logan Bronson, Ph.D., George Munro Prof. of Physics.

STUDENTS. Full-time: 1709, including 240 graduates; part-time, 51.

DEGREES. B.A., 45; M.A., 13; LL.B., 23; LL.D., 6; B.Sc., 49; M.Sc. 12; M.D., C.M., 28; D.D.S., 10; B.Com., 8; B.Mus., 1. Diplomas: Engineering, 25; Pharmacy, 8; Education, 9; Music, 3.

UNIVERSITY OF KING'S COLLEGE

HALIFAX, NOVA SCOTIA

Founded 1789, Royal Charter 1802

(Associated with Dalhousie University)

Postal Address—King's College, Halifax, N.S.

PATRON—THE ARCHBISHOP OF CANTERBURY.

VISITOR AND CHAIRMAN OF THE BOARD OF GOVERNORS—THE ARCHBISHOP OF NOVA SCOTIA.

VICE-CHAIRMAN OF THE BOARD OF GOVERNORS—THE BISHOP OF FREDERICTON.

PRESIDENT AND VICE-CHANCELLOR—Rev. Canon A. STANLEY WALKER, M.A. Leeds and Birm., B.Litt. Ox., LL.D. Dal., D.D. Queen's.

BURSAR—R. L. NIXON, M.Sc., Fellow.

DEAN OF MEN—Rev. H. E. DYSART, B.A.

DEAN OF WOMEN—Mrs. J. HACKENLEY.

Divinity—Holmes, Rev. J. H. A., M.A., B.D., D.D. (Dogmatics, Eccl. Polity and Ch. Hist.), Dean; Worsley, Rev. C. P., M.A. Edin. (Hebrew, Gk. Test., Patristics), Alexandra Prof.; Prince, Rev. S. H., M.A. Tor., Ph.D. Col. (Apologetics and Comp. Religion), Lectr.; Worsley, Claire, L.A., M.A. Edin. (English Bible), Owen Lectr.; Walker, Rev. Canon A. Stanley, M.A. Birm. and Leeds, B.Litt. Ox., LL.D. Dal., D.D. Qu. (Ch. Hist., Homiletics, Past. Theol.), Stone, Rev. C. W. F., B.A., B.D. (Liturgics), Lectrs.

For *Classics, Economics and Sociol., English, History, Maths, and Psychol.*, see Dalhousie Univ. staff list.

GENERAL INFORMATION

Opened in 1789 at Windsor, N.S., the College was established with full University powers by Royal Charter in 1802. In Sept. 1923, the Univ. removed to Halifax and became associated with Dalhousie Univ. (*see* p. 486). The staffs in Arts of the two Univs. are combined in one faculty. The first-year lectures in certain courses are given independently to the students of Dalhousie and of King's; but with this exception students of both institutions follow on equal terms the same courses leading to the same degrees. King's holds in abeyance her degree-conferring power in Arts and Science, but retains complete control of her Divinity School as well as of her present endowments, administration of residences, etc. Under the terms of the agreement between Dalhousie and King's, the College was established in Halifax by means of public and other subscriptions and with the financial aid of the Carnegie Corporation. The new buildings, value \$450,000, were opened for the session 1930-31. The Univ. is governed by a Board consisting of the Bishops of the dioceses of Nova

Scotia and Fredericton and the President of the Univ. *ex officio*, together with 10 members elected by the Alumni Assocn. and 8 elected by each of the diocesan Synods.

PUBLICATION. *Calendar* (May).

THE YEAR 1946-47

BENEFACTIONS. \$21,000.

STUDENTS. Full-time: 162, including 3 graduates.

LAVAL UNIVERSITY

QUEBEC

Founded 1852

ROYAL VISITOR AND CHANCELLOR APOSTOLIC—THE ROMAN CATHOLIC
ARCHBISHOP OF QUEBEC, His Excellency Mgr. MAURICE ROY,
D.Th., D Ph

RECTOR MAGNIFICUS—Mgr. FERDINAND VANDRY, C.M.G., D.Th.,
L Ph.

VICE-RECTOR—Canon MAURICE LALIBERTÉ, L. ès L. Paris.

SECRETARY-GENERAL AND REGISTRAR—Mgr. A. M. PARENT, D.Ph.
Louvain, D.Th.

MODERATOR—P. A. LELAIDIER, B.A.

TREASURER—Canon J. O. BERGERON, M.A.

LIBRARIANS—J. M. BLANCHET, B.A., B Ph.; ANTONIO DROLET, B A

ARCHIVIST—ARTHUR MAHEUX, O.B.E., L. ès L. Paris, D.Th., M.A.

TEACHING STAFF

<i>Accounting</i>		Dupuis, L. A., LL.B.
Boulanger, M.	Instr.	Fortin, L. de G., B.S.A., M.Sc.
<i>Administration</i>		Garon, Ls -Ph., B.S.A.
Samson, M.	Asst. Prof.	Gaudette, G., B.S.A., M.Sc.
<i>Agriculture</i>		Cornell.
Professors		Giasson, A., B.S.A., L.Ph
Campagna, E., B.S.A., D.Sc.		Pelletier, J. R., L.S.A., M.Sc McG.
Gagné, C., B.S.A., M.Sc. Cornell.		Proulx, M., B.S.A.
Jean, F. X., M.Sc. Cornell, L.Ph.		Scott, A., B.S.A., M.S.A. Tor.
Pineau, M.-A., L.Sc., B.Sc.App.,		Sirois, A., B.S.A.
D.Sc. Montpellier.		Instructors
St.-Pierre, M., B.S.A., D.Sc.		Albert, O., B.S.A., D.Sc. Ames.
Cornell.		Bégin, P., B.S.A., M.Sc. Wisc.
Assistant Professors		Gagnon, R., B.S.A.
Anctil, J.-A., B.Sc App., L.Sc.		Gauthier, G., B.S.A., M.Sc. Cornell,
Bernier, P.-E., B.S.A.		D.Sc.Nat.
Bourque, L., B.S.A., M.Sc. McG.,		Labrecque, P., B.S.A., M.Sc.
D.Sc. Cornell.		Ames.
Chevrette, J. E., B.S.A., D.Sc.		Lachance, R. O., B.S.A., D.Sc.
Cornell.		McG.
Houtier, R., B.Sc.App.		Mailloux, A., B.S.A., L.Sc. Montr.
Diamant, J., L.Ph., L.Sc.		Perrault, C., B.S.A., M.Sc. McG.,
		D.Sc.
		<i>Anatomy, v. Med.</i>

Apologetics

Drouin, M., L.Ph., B.Th	
	Asst. Prof.
Beaulieu, H. A., L. ès L.	Instr.
Bergeron, M. M., L.Th.	Instr.

Astronomy

Benoit, R., L.Ph., L.Th., L.D.C.	
	Prof.
Pouliot, E., A.G.	Asst. Prof.

Biochemistry, v. also Med.

Bois, E., D.Sc. Frib.	Prof.
Jean, M., B.A., B.Sc.App.	Instr.

Biology, v. also Med.

Tremblay, J.-L., B.Sc.App., D.Sc., Dip. Biol. Strasbourg	Prof.
Dolbec, R., L.Ph., L.Sc.	Prof.
Bernard, R., B.Sc.App., M.Sc., D.Ph. Cornell	Asst. Prof.
Corriveault, G. W., B.S.A., M.Sc.	Asst. Prof.
Gagnon, A., L.Sc.	Asst. Prof.
Labrie, J.-A., B.Sc.App., D.Sc.	
	Asst. Prof.
Vandal, J. O., L.S.A.	Asst. Prof.
Bourbeau, G., B.Pharm., L.Sc.	
	Instr.

Brassard, A., D.Sc.	Instr.
Duguay, J., A.G., I.F., Mich	M.Sc. Instr.
Filteau, G., B.Sc.App.	Instr.
Gauthier, G., B.S.A., Cornell, D.Sc.	M.Sc. Instr.
Lauzier, L., B.Sc.App., D.Sc.	Instr.
Pomerleau, R., B.S.A., McG., D.Sc.	M.Sc. Instr.
Richard, A., I.F., M.Sc., Cornell	D.Ph. Instr.

	Instr.
Brassard, A., D.Sc.	Instr.
Duguay, J., A.G., I.F., Mich	M.Sc. Instr.

Filteau, G., B.Sc.App.	Instr.
Gauthier, G., B.S.A., Cornell, D.Sc.	M.Sc. Instr.
Lauzier, L., B.Sc.App., D.Sc.	Instr.
Pomerleau, R., B.S.A., McG., D.Sc.	M.Sc. Instr.
Richard, A., I.F., M.Sc., Cornell	D.Ph. Instr.

Botany

Gagnon, A., L.Sc.	Instr.
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Canadian Literature

Bégin, E., L. ès L.	Prof.
Lacourcière, Luc., L. ès L.	Prof.

Canon Law, v. *infra**Cartography*

Barrette, G., A.G., I.F.	Instr.
--------------------------	--------

Chemistry

Cloutier, L., B.Sc.App., D.Sc.	
	Lille Prof.
Gagné, A., L.Sc.	Prof.
Gagnon, P.-E., B.Sc.App., D.I.C.	
	Lond., D.Sc. Paris, D.Ph. Prof.
Giguère, P.-A., B.Sc.App., D.Sc.	
	Prof.
Gravel, L., B.Sc.App., D.Sc.	Prof.
Ouellet, C., B.Sc.App., D.Sc.	
	Zürich Prof.
L'Ecuyer, P., B.Sc.App., B.Sc., D.Phil. Ox.	Prof.
Amiot, L. P., B.Sc.App., D.Sc.	
	Asst. Prof.

Picard, S., B.A.Sc.	Instr.
Ménard, J.-A., L.Sc.	Instr.
Risi, J., D.Sc. Frib	Instr.
Deschênes, M., B.Sc.App.	Asst.
Turcotte, F., B.Sc.App.	Asst.

Dentistry, v. Med.*Drawing (Mechanical)*

Désy, J. R. A.	Asst. Prof.
Blouin, J.	Instr.
Parent, O.	Instr.
Plamondon, M.	Instr.

Ecology

Rousseau, L. Z., A.G., I.F.	Prof.
Desmarais, Y., L.Sc.	Instr.

Economics, v. also Social and
Polit. Econ., Sch. of Com-
merce, and Soc. Sciences

Lussier, O., LL.L., Ing.For., D.Sc.For.	Prof.
Bilodeau, C., LL.L.	Asst. Prof.
Wilson, J. O., M.A., Dipl. For. Ox.	Asst. Prof.

Education

Ethier, W., D.Ph. Rome	Prof.
Tremblay, A., L.Sc.Soc., M.A.Ed. Harv.	Asst. Prof.
Dion, M. A., D.Ph. Milan	
	Instr. and Prof.

Instructors

Audet, Ls.-Ph., B.Péd., L.Sc.	
Babin, E., D.Ph. Notre Dame.	
Barbeau, M., L. ès L.	

Bergeron, G. A., M.D.
 Blanchet, R., M.D.
 Bilodeau, C., LL.L.
 Cantin, S., D.Ph.
 Decoene, Can. A., D.Ph., D.Th.
 Louvain
 Deschamps, P., B.A., L.Péd.
 Deshaies, H., B.Péd., B.Ph
 Faucher, C., B.A.
 Gagnon, A., L.Ph.
 Houle, G.
 Houle, A., L.Sc.Com
 L'Archevêque, P., D.Péd
 Lauzon, M., L.Th., L.D.C.,
 L.Sc.Soc.
 Lebel, M., L. ès L., B.A. Ox.
 Lockquell, C., D.Ph., B.Péd.
 Miller, J. C., M.D.

Elocution

Mordret, J., B.A. Paris Prof.

Engineering

Joncas, L., B.Sc.App., I.C., A.G.
 Prof.
 Joncas, P., M.A., I.C., A.G.,
 I.F., B.Sc.App. Prof.
 Massé, A., A.G., I.F. Prof.
 Hamel, E., B.Sc.App., I.C., A.G.,
 M.Sc. Asst. Prof.

Engineering, Chemical

Cholette, A., B.Sc.App. McG,
 M.Sc., D.Ph. Mass. Inst. Tech.
 Asst. Prof.
 Fraser, D., B.Sc.App. Instr.

Engineering, Electrical

Massé, L., B.Sc.App., D.Sc. Color-
 ado Prof.
 Sarault, G. E., B.Sc.App., I.E.
 McG. Prof.
 Bricout, P., I.P. Paris, L.Sc. Math,
 D.Sc. Paris Asst. Prof.
 Koenig, H. P., D.Sc. Mass. Inst.
 Tech. Asst. Prof.
 Boulet, L., B.Sc.App., M.Sc. Instr.
 Swift, L., B.Sc.App., I.E. McG.
 Instr.
 Wermenlinger, D., B.Sc.App.
 Instr.
 Voillancourt, E. Asst.

English

Cannon, W. E., M.A. Prof.
 Abel, G., B.A. (Lit.) Prof.
 Falardeau, A., B.A. Asst. Prof.
 Robert, G., B.A., B.Th. Asst. Prof.
 Mackey, W., M.A. Asst. Prof.
 Porter, E., A.G., I.F. Asst. Prof.
 Bourque, W. F. Instr.

Entomology

Maheux, G., D. ès Sc. Montréal,
 M.A., L.S.A., I.F. Prof.
 Daviault, L., L.S.A., M.Sc. McG,
 D.Sc. Montr Instr.

Folklore

Lacourcière, Luc, L. ès L. Prof.
 Barbeau, M., LL.L., D. ès L.
 Asst. Prof.
 Savard, F. A., B.A. Asst. Prof.
 Doyon, Madeleine, B.A. Instr.

Forestry

Bédard, A., M.A., I.F., M.G.F.
 Yale, D.Sc. For. Prof.
 Bourget, M. A., A.G., I.F. Prof.
 Guay, E., I.F. Prof.
 Lussier, O., LL.L., I.F., D.Sc. For.
 Prof.
 Rousseau, Z., A.G., I.F. Prof.
 Bernier, G.-H., A.G., I.F.

 Asst. Prof.
 Pomerleau, R., B.S.A., M.Sc. McG,
 D.Sc. Asst. Prof.
 Wilson, J. O., M.A., Dipl. For. Ox.
 Asst. Prof.
 Barrette, G., B.Arp., I.F. Instr.
 Deschamps, R., I.F., B.Arp. Instr.
 Lamothe, G., B.Sc.App., I.C.
 Instr.
 Linteau, A., M.Sc. For. Yale, I.F.
 Instr.
 Matte, L., I.F., D.Sc. Duke Instr.
 Richard, A., I.F., M.Sc., D.Ph.
 Cornell Instr.

Forest Law

Richard, L. A., LL.D. Prof.
French Lang. and Lit., v. also
 Modern Langs.
 Aubert, A., M.A. Prof.

Talbot, L., L. ès L., L. Th.	Prof.	Baillargeon, N., L. Th.	Asst. Prof.
Bégin, E., L. ès L. (Fr. Lit.)	Prof.	Demers, G. E., L. Ph.	Asst. Prof.
Lacourcière, Luc., L. ès L. (Fr. Lit.)	Prof.	Simard, A.	Prof.
Laliberté, M., L. ès L. Sorbonne, M.A.	(Fr. Lit.) Prof.	Beaudry, E., B.A.	Instr.
Viatte, A., Ph.D. Frib., D. ès L. Sorbonne (Fr. Lit.)	Prof.	<i>History of Canada</i>	
Jobin, A., L. Th.	Asst. Prof.	Tessier, A., D. Ph., D. Th. Rome	Prof.
Marcotte, A., L. ès L.	Asst. Prof.	Trudel, M., D. ès L.	Instr.
Fontaine, H., L. Ph., L. ès L.	Asst. Prof.	<i>Latin</i>	
Lapointe, Jeanne, L. ès L.	Asst. Prof.	Beaulieu, H. A., L. ès L.	Prof.
Potvin, P., L. ès L.	Asst. Prof.	Lechevalier, J., L. ès L., Ag. Paris	Prof.
Savard, F. A., B.A.	Asst. Prof.	Garneau, B., L. ès L., L. Th.	Asst. Prof.
Lallier, H., L. ès L.	Instr.	Gravel, L.-P., B.A.	Asst. Prof.
Valin, R., L. ès L.	Instr.	Lamarre, P. H., L. ès L.	Instr.
Bernier, J., L. ès L.	Instr.	Lelaidier, P. A., B.A.	Prof.
<i>Geology and Mineralogy</i>		<i>Law, v. infra</i>	
Faessler, C., D.Sc. Frib.	Prof.	<i>Legislation</i>	
Laverdière, J. W., D.Sc. M.A.	Prof.	Lemieux, A., LL.L.	Asst. Prof.
Dufresne, A.-O., B.Sc., M.Sc.	McG. Prof.	<i>Mathematics</i>	
Auger, P.-E., B.Sc.App., B.Sc. Qu., D.Sc. Mass. Inst. Tech.	Asst. Prof.	Barrette, G., B.A.	Prof.
Béland, R., B.Sc. Qu., M.A., D.Ph. Tor.	Instr.	Benoît, G., B.A.	Prof.
Richard, A., I.F., M.Sc., D. Ph. Cornell	Instr.	Bergeron, Can. J. O., M.A.	Prof.
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Lebel, M., B.A. Lond., L. ès L.	Prof.	Larue, A., L.Sc.	Prof.
Auger, J. C., L. ès L.	Asst. Prof.	Pouliot, A., M.A., B.Sc.App., I.C., L. Sc. Paris, LL.D.	Prof.
Dumouchel, G., L. ès L., L. Th.	Instr.	Putman, H. J. B., I.C., I.E.	Gand. Prof.
<i>Gregorian Chant, v. also Music and Theol.</i>		Royer, M., B.Sc.App., I.C., B.Sc. Mass. Inst. Tech.	Prof.
Biron, F., B.A.	Instr.	Savary, R., A.G., I.C.	Prof.
Chabot, G., A.A.	Instr.	Carrier, L., B.A.	Prof.
Letarte, M., B.A.	Instr.	Carrier, M. L., I.C.	Asst. Prof.
Brochu, L., B.A.	Instr.	Fillion, E., B.A.	Asst. Prof.
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		White, B., B.Sc.App.	Asst. Prof.
		Drolet, J.-P., B.Sc. App.	Instr.

Dupré, A., M.A., L.Sc., M.Sc.
Montr. Instr.
Marceau, R., L.Sc. Instr.
Matte, L., I.F., D.Sc. Duke Instr.
Matte, A., B.Sc.App. Asst.

Medicine, v. infra

Mining and Metallurgy

Letendre, G., B.Eng. McG., Ph.D.
Lond. Prof.
Archambault, M., I.C. Prof.
Dufresne, A. O., B.Sc., M.Sc. McG.
Prof.
Royer, M., B.Sc.App., I.C. Montr.,
B.Sc. Mass Inst. Tech. Prof.
Waddington, G. W., B.Sc.App.
Br. Col. Prof.
Walsh, B. J., B.Sc. Qu. Prof.
Garneau, J. B., F.C.I.C.

Asst Prof.
Potvin, R., B.Sc.App., I.C. Montr ,
B Sc. Mass.Inst. Tech.
Asst. Prof.
Jones, I. W., B.Sc.App. Alta.,
D.Ph. Tor. Instr.
Larochelle, E., B Sc.App., I.C.
Instr.

Meteorology

Bellefeuille, R., B.Arp , I.F., L.Sc.
Asst. Prof.

Modern Languages

Belleau, J., LL.L. Prof.
Lacerte, Mrs. J., D. ès L. Madrid
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Michel, S. Instr.
Pereira di Almeida, M. Instr.

Music

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Talbot, R., Mus.D. Prof.
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Destroismaisons, L , B.A. Prof.
Létourneau, O. Prof.
Lapointe, P.-Chs., B.Mus. Prof.
Vallières, H. Prof.
Roy, A., B.A. Prof.

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Roy, Berthe.

Mercure, H.
Gravel, L.
St. Hilaire, A.
Leblanc, A.
Bélanger, E.
Larochelle, E.
Letarte, M., B.A.
Pouliot, O.
Turgeon, J., B A.
Instructors
Beaudet, J., B.A.
Brassard, Frs.-J.
Bussièrès J.-M.
Cayouette, M.
Dariusse, G., B.M.
Létourneau, P.
Païement, J.

Philosophy

Lebon, Mgr. W., D.D., M.A.,
D.Phil. Prof.
Grenier, H., D Th , D.Ph., D.D.C.
Rome Prof.
Gosselin, P. E., L.Ph. Prof.
de Koninck, Chs., D.Ph. Louvain
Prof.
Parent, A.-M., D.Phil. Louvain,
D.Ph. Prof.
Gaudron, E., D.Ph. Louvain. Prof.
Cantin, S., D.Ph. Prof.
Robert, P., M.A., D.Ph. Prof.

Asst. Professors

Albert, G., D.Th. Rome.
Miville, R., L.Ph.
Giroux, A., L.Sc. Soc., L.Th.

Instructors

Babin, E., D.Ph. Notre Dame.
de Monléon, J., L.Ph. Paris.
Hudon, L.-E., L.Ph., L.D.C., L.Th.
Lévesque, G.-H , D.Sc.Soc. Lille,
L.Th.
Tardif, J.-M., L.Th.
Parent, J.-M., D.Th. Paris.
Kolnai, A., D.Ph. Vienna.
Dionne, M., L.Ph., L.Th.
Roy, Y., L.Th., L.Ph.
Simard, E., L.Ph., L. ès L.
Larue, A , L.Sc.
Hebert, G., L.Th., L.Ph.

Trépanier, E., L.Ph.
 Blanchet, R., M.D.
 Rasetti, F., D.Sc. Pisa.
 Tremblay, J.-L., D.Sc.
 Vachon, L.-A., L.Ph., L.Th.
 Blanchet, L. E., L.Th., L.Ph.

Phonetics

Lacerte, Mrs. J., D. ès L. Madrid
 Asst. Prof.
 Doyon, Madeleine, B.A. Instr.
 Larochelle, Simone Instr.

Physics

Benoit, R., L.Th., L.Ph., L.D.C.
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 Rasetti, F., D.Sc. Pisa Prof.
 Joncas, L., B.Sc.App., I.C., A.G.
 Asst. Prof.
 Koenig, H. P., D.Sc. Mass. Inst.
 Tech. Asst. Prof.

Instructors

Boivin, A., B.Sc.App., M.Sc.
 Bonenfant, F., B.Sc.App., M.Sc.
 Geoffrion, C., B.Sc.App., M.Sc.
 Hall, G., B.Sc.App., M.Sc.
 Huot, G. L., B.Sc.App., M.Sc.

*Physiology, v. Med.**Religion*

Genest, Canon O., M.A. Prof.
 Rochette, R., B.A. Prof.
 Foy, C., D.Th. Instr.

Social and Political Econ.

Grégoire, J. E., LL.D., L.Sc. Econ.
 et Soc., L.Sc. pol. et dip
 Louv. Prof.
 Bilodeau, C., Dip. Ec. Pol. Sci. Ox.,
 LL.L. Instr.

Social Sciences

Lévesque, G. H., L.Th., Dip. Sc.
 soc. pol. Lille (Econ.) Prof.
 Guimont, P. H., L.Sc.Com., M.A.
 Harv. (Econ. and Finance)
 Prof.
 Lebel, P., LL.L. (Econ.) Prof.
 Leblond, W., M.D. (Hyg.) Prof.

Poulin, G., D.Sc.Soc. Paris (Sociol.)
 Prof.
 Bussière, E., L.Sc.Soc. (Econ. and
 Educ.) Prof.
 Martin, J. M., L.S.A., M.S.A.
 Cornell Prof.

Asst. Professors

Lamontagne, M., L.Sc.Soc., M.A.
 Harv. (Econ.).
 Despres, J. P., D.Sc.Soc. (Indust.
 Relations)
 Falardeau, J. C., L.Sc.Soc., L.Ph.
 (Sociol. and Soc. Res.).
 Marier, R., LL.L., L.Sc.Soc., M.Sc.
 Washington (Soc. Work.).
 Hudon, L.-E., L.Ph., L.D.C.,
 D.Th. (Sociol.).
 Tremblay, M., L.Sc.Soc., M.A.
 Harv. (Sociol.).
 Munzer, E., LL.D., D.D.C.
 (Statistics).
 Tremblay, G., L.Ph. Asst. Prof.

Instructors

Fortier, G., L.Sc.Com.
 Lortie, L., LL.L.
 Archambault, J. P.
 Bélanger, G., L.Th., L.Sc. Soc.
 Washington.
 Dion, G., L.Th., L.Ph., L.Sc.Soc.
 Barbeau, V., Dipl. U. de Paris
 Bois, H. C., L.S.A. Cornell.
 Boudreau, A., B.S.A.
 Martin, R., L.S.A. Oka.
 Vaillancourt, Hon. C., D.S.A.
 Beausoleil, J., C.S.V.
 Bélanger, C. E., L.Sc.Soc.
 Faucher, A., L.Sc.Soc., M.A. Tor.
 Gagné, C., B.S.A., M.Sc. Cornell.
 Jobin, F., LL.L., B.Sc. Soc.
 Lemay, G., LL.L.
 Piché, M., LL.L.
 Clément, M., LL.L., L.Ph.
 Brouillette, B., L.Sc.Com., D.Geo.
 Sorbonne.
 Bonenfant, J. C., LL.L.
 Miller, J. C., M.D.
 Boissonnault, B., B.Sc. McG.
 Girard, L., L.Ph.

Maher, O'C., B.A.
 Picard, S., B.Sc.App.
 Whitelaw, J. C., LL.B.
 Belzile, T., L.Sc.Com.
 Bouchard, J. M., LL.L.
 Filion, G., L.Sc.Com.
 Trotter, L. J., L.Sc.Com.
 Beaulieu, M. L., LL.D., L.Ph.
 Binet, H. T. P., M.A., B.C.L. Ox.,
 L.Ph.

Dupont, W., LL.L.
 Gagnon, Hon. O., LL.D.
 Giroux, G. M., LL.D.
 Guérard, J. M., LL.L.
 Hecker, F., LL.L.
 Lebel, P., LL.L.
 Pigeon, L. P., LL.L.
 Roy, L., LL.L.
 Lockquell, C., B. Péd., D.Ph.
 Denault, Hayda.
 Fortin, de la Broquerie, M.D.
 Grégoire, J., M.D., D.H.P. J. Hop
 Laliberté, M. P., B.A.
 Morisset, Thérèse.
 Paré, Simone, B.Sc.Soc., Dipl.
 Serv.Soc
 Simard, A., M.D.
 St.-Martin, Marcelle, B.A., Dipl.
 Serv.Soc.
 Delos, J. T., LL.D., L. ès L. Paris,
 L.Th.
 Poznanski, T., D.Sc. Berne.

Surveying

Joncas, P., M.A., I.C., I.F.,
 B.Sc.App. Prof.
 Joncas, L., B.Sc.App., I.C., A.G.
 Asst. Prof.
 Guay, F., A.G., I.F. Instr.

Zoology

Dolbec, R., L.Sc., L.Ph. Prof.

Canon Law

Bureau, J. A., D.D.C. Rome,
 D.Th., L.Ph. Prof.
 Bernier, P., L.Ph., D.Th., D.D.C.
 Rome Prof.
 McNicoll, J. O., L.Ph., D.Th.,
 D.D.C. Rome Prof.

Bélanger, V., D.D.C. Rome, L.Ph.
 Prof.
 de Léry, L.-C., D.D.C., D.Ph.,
 D.Th. Rome Prof.
 Michiels, G., D.D.C. Rome Prof.
 Charland, R. M., D.D.C. Rome,
 L.Ph., L.Th. Prof.
 Desrochers, B., D.D.C. Washing-
 ton, B.Th., L.Ph. Asst. Prof.
 Pigeon, L. P., LL.L. Instr.
 Leclerc, C.-E., LL.L. Instr.
 Lesage, L., LL.D. Instr.
 Beaulieu, M.-L., L.Ph., LL.D. Instr.
 Onclin, W., D.D.C. Instr.
 Fransen, G., D.D.C. Instr.
 De Clercq, C., D.D.C. Instr.

Commerce

Boulet, A., L.Sc.Com. (Accty.).
 Irénée, Br., B.Sc. (Accty.).
 Léopold, Br., L.Sc.Com. (Accty.
 and Maths.).
 Siméon, Br., L.Sc.Com. (Accty.
 and Maths.).
 White, G., B.Sc.Com. (Accty.).
 Belisle, L. A. (Admin., Fin. and
 French).
 Bruneau, P., L.Sc.Com. (Admin.).
 Genest, A. (Admin.).
 Godbout, M., B.Sc.Com. (Admin.).
 Godbout, G., L.Sc.Com. (Admin.).
 Hudon, R., B.Sc.App., D.Sc.
 (Admin.).
 Laurent, E., LL.L., L.Ph.
 (Admin.).
 Roland, Fr., B.Sc.Com. (Admin.).
 Brouillet, P., L.Sc.Com. (Co-
 operation).
 Cloutier, J. Bte., L.S.A. (Co-
 operation).
 Descôteaux, L., B.S.A. (Co-opera-
 tion).
 Vaillancourt, Hon. C., D.S.A. (Co-
 operation).
 Audet, P., B.A. (Econ.).
 Bertrand, D., B.Sc.Com. (Econ.).
 Bruchési, J., LL.L., Dipl.Sc.Pol.
 Paris (Econ.).
 Cantin, M. (Econ.).

Derenne, J., L.Sc Com. Louvain (Econ.).	Law	
Guimont, P.-H., L.Sc Com., M.A. Harv. (Econ. and Fin.).	v. also Accounting	
Hubert, Fr., B.Péd., M.A. Mich., M.Sc (Econ).	<i>Admin. and Const. Law</i>	
Lebel, P., LL.L. (Econ. and Law).	Duval, A., LL L.	Prof.
Maheux, A., L. ès L. Paris, M.A., D.Th (Econ.).	Pigeon, L.-P., LL L.	Prof.
Rondeau, M., B.Sc.Com. (Econ).	<i>Bibliography</i>	
Stanislaus, Fr., B.Péd., L.Ph., L.Sc, M A. Mich. (Econ. and Philos. and Sociol.).	Lortie, L., LL.L.	Instr.
Kirouak, T. U., B A. (English).	<i>Civil Law</i>	
McBriarty, W. J., M.A. (English).	Roy, F., LL.D.	Prof.
Breton, R., L.Sc.Com. (Fin.).	Gagné, J. A., LL D.	Prof.
Clément, H. (Fin.).	Hudon, G., LL.L.	Prof.
Guimont, J. P., B.Sc.Com. (Fin).	Turgeon, J., LL.L.	Asst. Prof.
Gosselin, P. E., L. ès L., L Ph., M.A. (French).	Gagné, M., LL.L.	Instr.
Potvin, P., L. ès L., L Ph. (French).	<i>Commerc. and Marit. Law</i>	
Beaulieu, M. L., LL.D., L.Ph. (Law).	Bouffard, P.-H., LL.L	Prof.
Grenier, J., LL.L (Law).	Gravel, J., P.A., LL.D.	Prof.
Hudon, G., LL.L. (Law).	St. Laurent, Rt. Hon. L., LL.D	Prof.
Leclerc, C. E., LL L. (Law).	<i>Company Law</i>	
Morin, W., LL.L. (Law).	Taschereau, A., LL.L. Asst. Prof.	
Routhier, A., LL.D. (Law).	<i>Criminal Law</i>	
White, G., B.Sc.Com. (Law).	Lacroix, G., L.Ph., LL.L.	Prof.
Alfred, Fr, L Sc.Com. (Maths.).	<i>History of Law</i>	
Hodgson, J. J., B.A. (Maths.).	Pelland, Léo, LL.L., L.Ph. (and Introduction)	Prof.
Bilodeau, C., LL.L. (Philos. and Sociol.).	<i>International Law</i>	
Cantin, S., D.Ph (Philos. and Sociol.).	Langlais, Ant., LL.D.	Prof.
Dion, G., L.Th., L.Ph., L.Sc.Soc. (Philos. and Sociol.).	<i>Municipal and Educational Law</i>	
East, S. P., L.Ph. (Philos. and Sociol.).	Gagnon, Hon. O., LL.D.	Prof.
Dumais, R., L.Sc. (Sci.).	Prevost, Y., LL.L.	Instr.
Hébert, C., B.Sc.App. (Sci.).	<i>Parish Law</i>	
Vallièrès, G., B.Sc App. (Sci.).	Giroux, G.-M., LL.D.	Prof.
Lacerte, Mrs. J., D. ès L. Madrid (Span.).	<i>Procedure, Civil</i>	
Ouellet, R., L.Sc.Com. (Span.).	Morand, Lucien, LL.L.	Prof.
	Choquette, F., LL.L.	Prof.
	Rivard, A., LL.L.	Prof.
	Lesage, L., LL.D.	Prof.
	Turgeon, H., LL.L.	Prof.
	Alleyn, R., LL.L.	Asst. Prof.
	<i>Roman Law</i>	
	Routhier, A., LL.D.	Prof.
	<i>Taxation Law</i>	
	Létourneau, R, LL.L.	Asst. Prof.

Medicine

Adaptation

Dugal, L. P., L.Sc., D.Ph. Penn.	
	Prof.
Desmarais, A., L.Sc. Montr.	Asst.
Fortier, G., L.Th., L.Ph., L.Sc. Montr.	Asst.
Thérien, M., L.Sc. Montr.	Asst.

Alimentation

Babineau, L.-M., B.Sc App.	Asst.
Gasnier, A., L.Sc. Paris	Instr.

Anæsthesia

Hudon, F., M.D.	Prof.
Bélanger, L. E., M.D.	Asst.
Jacques, A., M.D.	Asst.
Paquet, Adrien, M.D.	Asst.
Paradis, B., M.D.	Asst.

Anatomy

Jobin, P., M.D.	Prof.
Paquet, Albert, M.D.	Prof.
Lemieux, J.-M., M.D.	Asst. Prof.
Caron, W., M.D.	Asst.
Michaud, J. T., M.D.	Asst.
Pettigrew, A., M.D.	Asst.
St.-Arnaud, G., M.D.	Asst.
Turcot, J., M.D.	Asst.

Bacteriology

Morin, J. E., M.D.	Prof.
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Biochemistry

Gingras, Rosaire, M.D.	Prof.
Gaudry, R., D.Sc.	Asst. Prof.
Pagé, E., L.S.A., D.Ph. Cornell	Asst.

Biology

Giroux, M., M.D.	Prof.
Potvin, A. R., M.D.	Prof.

Chemistry

Marcoux, H., M.D.	Prof.
Gaudry, R., D.Sc.	Asst. Prof.

Demography

Parrot, P., M.D.	Instr.
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Dentistry

Déry, A., D.Dent.	Asst. Prof.
Hamel, J., D.Dent.	Asst. Prof.
Hamel, P., D.Dent.	Asst. Prof.
Langlois, R., D.Dent.	Asst. Prof.

Deontology and Medical Econ.

Gauthier, C. A., M D	Instr.
----------------------	--------

Dermatology

Gaumont, E., M.D.	Prof.
Grandbois, J., M D.	Asst.

Dietetics

Nadeau, H., M.D.	Prof.
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Electrotherapy

Perron, E., M.D.	Prof.
Gosselin, J., M.D.	Asst. Prof.
Payeur, L.-R., M.D.	Asst. Prof.
Samson, M., M.D.	Asst. Prof.

Endocrinology

Martel, A., M.D.	Asst. Prof.
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Gynecology

Gagnon, F., M.D.	Prof.
Garant, O., M.D.	Prof.
Simard, R., M.D.	Prof.
de St.-Victor, J., M.D.	Instr.

Hygiene

Couillard, E., M.D., D.H.P.	Prof.
Grégoire, J., M.D., D.H.P.	J. Hop. Prof.
Miller, J. C., M.D.	Asst. Prof.
Foley, A. R., M.D., D.H.P.	J. Hop. Instr.

Gilbert, J., M.D., D.H.P.	Tor Instr.
Lafrenière, T. - J., B.Sc.App., M.Sc.App.	Mass. Inst. Tech.

Sylvestre, J. E., M.D., D.H.P.	Tor Instr.
Tourangeau, F. J., M.D., D.H.P.	Tor Instr.

Legal Medicine

Desrochers, G., M.D.	Prof.
Martin, C. A., M D.	Instr.

Materia Medica

Lessard, R., M.D.	Prof.
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Medical Ethics

Bélanger, V., D.D.C.	Rome, L.Ph. Instr.
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Medical History

Leblond, S., M.D.	Prof.
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Medicine, Clinical

Caron, S., M.D.	Prof.	Larochelle, L. N., M.D.	Asst. Prof.
Desmeules, R., M.D.	Prof.	Rousseau, L., M.D.	Asst. Prof.
Desrochers, G., M.D.	Prof.	<i>Pathology, Surgical</i>	
Jobin, J.-B., M.D.	Prof.	Trempe, F., M.D.	Prof.
Leblond, S., M.D.	Prof.	Simard, A., M.D.	Asst. Prof.
Lemieux, R., M.D.	Prof.	<i>Pædiatrics</i>	
Lessard, R., M.D.	Prof.	Langlois, M., M.D.	Prof.
Nadeau, H., M.D.	Prof.	Lapointe, D., M.D.	Prof.
Paquet, B., M.D.	Prof.	Dechêne, Euclide, M.D.	Asst. Prof.
Drouin, G., M.D.	Asst. Prof.	Fortier, de la Broquerie, M.D.	Asst.
Dugal, J. P., M.D.	Asst. Prof.	<i>Pharmacy</i>	
Larochelle, L. N., M.D.	Asst. Prof.	Marquis, A., B.Pharm.	Prof.
Martel, A., M.D.	Asst. Prof.	Demers, U., B.Pharm., D.Pharm.	Prof.
Racine, G., M.D.	Asst. Prof.		
Rousseau, L., M.D.	Asst. Prof.	Chiche, E., B.Pharm., D.Pharm.	Prof.
Larue, G. H., M.D.	Asst.	Paris	Prof.
Patry, L., M.D.	Asst.	<i>Physiology</i>	
Richard, P., M.D.	Instr.	Blanchet, R., M.D.	Prof.

Mental and Nervous Diseases

Caron, S., M.D.	Prof.	Bergeron, G. A., M.D.	Asst.
-----------------	-------	-----------------------	-------

Desrochers, G., M.D.	Prof.	<i>Physiology, Applied</i>	
Larue, L., M.D.	Prof.	Brouha, L., M.D., D.Sc. Liège	Prof.
Miller, J. C., M.D.	Asst. Prof.	<i>Physiotherapy</i>	
Painchaud, C. A., M.D.	Asst.	Gaumont, E., M.D.	Prof.
Pelletier, A., M.D.	Asst.	Perron, E., M.D.	Prof.

Ophthalmology

Pichette, H., M.D.	Prof.	Gosselin, J., M.D.	Asst. Prof.
Lacerte, J., M.D.	Asst. Prof.	Payeur, L.-R., M.D.	Asst. Prof.
Pelletier, J. E., M.D.	Asst. Prof.	Samson, M., M.D.	Asst. Prof.

Orthopædics

Roger, J.-P., M.D.	Asst. Prof.	<i>Phthisiology</i>	
Roy, L.-P., M.D.	Asst. Prof.	Desmeules, R., M.D.	Prof.

Oto-Rhino-Laryngology

Larochelle, P., M.D.	Asst. Prof.	<i>Radiology</i>	
Pelletier, E., M.D.	Asst. Prof.	Perron, J. E., M.D.	Prof.
Hallé, J., M.D.	Asst.	Potvin, A. R., M.D.	Prof.
Letarte, F., M.D.	Instr.	Gosselin, J., M.D.	Asst. Prof.
		Payeur, L.-R., M.D.	Asst. Prof.
		Lessard, R., M.D.	Asst.

Pathology, General

Berger, L., M.D. Stras.	Prof.	<i>Surgery, Clinical</i>	
Auger, C., M.D.	Instr.	Petitclerc, J.-L., M.D.	Prof.

Pathology, Medical

Fortier, E., M.D.	Prof.	Roy, F., M.D.	Prof.
Paquet, B., M.D.	Prof.	Trempe, F., M.D.	Prof.
Drouin, G., M.D.	Asst. Prof.	Vézina, C., M.D.	Prof.
		Auger, G., M.D.	Asst. Prof.
		Lavergne, N., M.D.	Asst. Prof.
		Lemieux, J. M., M.D.	Asst. Prof.

Roger, J. P., M.D.	Asst. Prof.	Instructors
Simard, A., M.D.	Asst. Prof.	Bourque, E., D A C. Rome.
Caron, W., M.D.	Asst.	Lacoulme, P., D Th.
Gagnon, G., M.D.	Asst.	Lemelin, R., L.Th., L.D.C.
Giguère, A., M.D.	Asst.	McNicoll, J. O., D D.C. Rome,
Lavoie, J., M.D.	Asst.	D.Th., L.Ph.
Leclerc, L. P., M.D.	Asst.	Petit, G., D.D.C.
Samson, E., M.D.	Asst.	Beaudet, R., L.Th.
Turcot, J., M.D.	Asst.	Crépeault, P.-E., L Th.

Therapeutics

Lessard, R., M.D.	Laval and Paris Prof.
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Urology

Bédard, A., M.D.	Asst. Prof.	Gagné, H., D.Ph. Tor., L.E.M. Tor., L.Th.
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Theology**Professors**

Vandry, F., L.Ph., D Th. (Dogmatic T.).	Ferland, G., L.Th.
Garant, C. O., L.E.S. Rome, L.Ph., D.Th. (Biblical Exegesis, Greek and Hebrew).	Mathieu, A., D.Th.
Lemieux, E., L.Ph., D.Th. (Ascetical T. and Liturgy).	Fortier, E., B.Th.
Audet, L., L.Ph., D.Th. (Moral T.).	de Koninck, Chs., D Ph. Louvain.
	Morisset, B., L.Th.
	Ledit, J., D.H. Rome.
	Bureau, J. A., D.D.C. Rome, D.Th., L.Ph., LL.L.
	Lussier, M., L.Th.
	Beaumont, H., L.Th.

AFFILIATED INSTITUTIONS

"Affiliation" or—in the case of an institution outside the provinces of Quebec and Ontario—"agrégation" involves control by the Univ. of programmes and examinations.

ÉCOLES D'INFIRMIÈRES. 15 schools affiliated.

ENSEIGNEMENT SECONDAIRE MODERNE. 2 schools affiliated.

ENSEIGNEMENT CLASSIQUE, 1st degree (*High School*), 18 schools affiliated. 1st and 2nd degrees: for girls, 8 schools affiliated; for boys, 21 affiliated and 1 aggregated.

ÉCOLE DE COMMERCE. 1 school affiliated.

ÉCOLE SUPÉRIEURE DE SCIENCES DOMESTIQUES. 1 school affiliated.

COURS LETTRES-SCIENCES. 12 schools affiliated.

GENERAL INFORMATION

The Univ. was founded by the Seminary of Quebec in 1852 under a Royal Charter. A general supervision of teaching and discipline is exercised by the Archbishop of Quebec as Visitor and Chancellor Apostolic and President of the Conseil Supérieur of Archbishops and Bishops of the Province (except those of the ecclesiastical provinces of Montreal and Rimonski). The Profs. of the Faculties of Theology, Canon Law and Philosophy are nominated by the Visitor, those of other Faculties by the Conseil de l'Université, composed of the Directors of the Seminary of Quebec and 3 Senior Profs. of the Faculties of

Theology, Arts, Law and Medicine, and the Deans of the Faculties of Canon Law, Philosophy, Letters, Sciences, Social Sciences, Agriculture, and Forestry and Surveying.

LIBRARIES: General, 261,000 vols. ; others, 578,300 vols. **MUSEUMS AND DIRECTORS:** Paintings, W. E. Cannon; Ethnology and Religion, G.-E. Demers; Numismatics, J. M. Blanchet; Physics, R. Benoit; Geology and Mineralogy, J. W. Laverdière; Botany, A. Gagnon; Zoology, R. Dolbec; Ornithology, R. Dolbec; Entomology, G. Maheux; General Anatomy, P. Jobin; Pathological Anatomy, L. Berger; Forestry, Z. Rousseau; Conchyliology, G. Maheux; Coins, J. M. Blanchet. **LABORATORIES:** Chem., Phys., Bact., Biol., Physiol., Anat., Pathol., Clinic., Physio-pathol., Biochem., Botan., Mineral., Geolog., Optics, Hygiene.

FACULTIES AND DEANS. Theology (C. O. Garant); Philosophy (Chs. de Konnck); Canon Law (J. A. Bureau); Law (Judge F. Roy); Medicine (C. Vézina); Letters (Canon M. Laliberté); Sciences and Engin. (A. Poulot); Arts (E. Beaudry); Social Sciences (G. H. Lévesque); Agriculture (F. X. Jean); Forestry and Surveying (A. Bédard).

SCHOOLS. Graduate Studies, Nursing, Education, Music, Commerce, Household Sci., Pharmacy and Social Work.

DEGREES, DIPLOMAS AND TEACHING ACTIVITIES. The Univ. perpetuates the stages by which a Degree was, and still is, reached in the Univ. of Paris. The Baccalauréat ès arts (B.A.) is not the equivalent of any of the English Degrees, but is an official certificate (recognized by the Govt.) that the student has successfully completed his literary and scientific studies, and is entitled to begin his professional studies in law, medicine, or applied sciences, or the Higher studies. It is obtained before he leaves the affiliated Institute, Seminary, or College at which he has studied. Students who reach a certain standard in both letters and sciences obtain the B.A. After the B.A. the student may proceed to the Baccalauréat in Theology (3 yrs.); in Canon Law (1 yr.); in Philosophy (2 yrs.); in Social Sciences (2 yrs.); in Civil Law (3 yrs.); in Music (2 yrs.); in Pharmacy (3 yrs.); in Surveying (3 yrs.); in Agriculture (4 yrs.); in Medicine (2 yrs.); in Commerce (2 yrs.); in Education (1 yr.); in Applied Sciences (4 yrs.); in Household Sciences (2 yrs.). The course for the Licence covers 3 yrs. after the B.A. in Philos. (L.Ph.); 2 yrs. in Letters (L. ès L.); 3 yrs. in Sciences (L.Sc.); 3 yrs. in Law (LL.L.); 4 yrs. in Theol. (L.Th.); 2 yrs. in Music; 3 yrs. in Social Sciences; 2 yrs. in Education; 2 yrs. in Canon Law. To obtain the Doctorate it is necessary to support successfully in public a thesis and propositions as in French Univs. The D. en M. or M.D. is granted after 5 yrs.' study by examn.

The Diploma in Forestry is awarded after 4 yrs.' study in the Faculty of Surveying and Forestry.

The Faculty of Sciences provides a 4 yrs.' course leading to the Baccalauréat in Applied Sciences, or to a Licence and to a Doctorate in Sciences.

The Univ. has granted affiliation to about 70 private schools for boys and girls. At the age of 12 yrs. the children may choose between the primary course, a certificate being granted, after univ. examn., at the end of the fourth year, and the classical course of the first degree (High School, 4 yrs.), with a certificate of matriculation at the end of the fourth year. The main difference between the two courses is the teaching of Latin, and the advanced teaching of mathematics and of history, in the High Schools.

The High School course is given in Schools limited to such course, or in Colleges and "Séminaires," which give, after the High School course, the

teaching usual in Colleges of Arts. In these last institutions Greek is taught for 4 yrs.; philosophy (theory, history, essays) for 2 yrs.; Latin for 6 yrs.

RECOGNITION of the B.A. of Laval is accorded by several European Universities, and by Canadian Universities and most of those of the U.S.A.

FEES for tuition, \$215 to \$315 p.a., with an extra charge for laboratories.

RESIDENCE. Students of Theol. reside at the Grand Seminary. The Maison des Étudiants, 49 St. Joachim St., provides accommodation (rooms only) for about 40 male students, \$12 per month. Other students live with families approved by the Moderator.

EXTRA-MURAL WORK. Summer courses in Theology, Philosophy, French, English, Spanish, Portuguese, Education, and Gregorian Chant.

PUBLICATIONS. *Annuaire général, Special Calendars*, for Graduate School, Theology, Canon Law, Law, Medicine, Education and Guidance, Sciences, Philosophy, Social Sciences, Nursing, Music, Letters, Commerce, Agriculture, Social Work, Surveying and Forestry, and Summer Courses. *La Revue de l'Université, Laval, Le Laval théologique et philosophique, Les Cahiers canoniques de Laval, Le Naturaliste canadien, Le Laval médical, L'Enseignement secondaire au Canada, Ensemble, Les Archives de Folklore, Cahiers de la Faculté des Sciences sociales, Pédagogue, Orientations, Cahiers du Cercle Laennec, Bulletin des Relations industrielles, Le Carabin* (students' paper), publications of the Fac. of Theol., publications of the Fac. of Social Sciences.

THE YEAR 1946-47

BENEFACTIONS. Govt. of Province of Quebec, yearly contribution of \$600,000 for building and maintenance of different schools and for general purposes; \$75,000 for scholps. in all schools. Hon. Jacob Nicol, \$10,000 for scholarships in the School of Law. Grants for research from National Research Council (\$15,000), Ciba Company (\$2500), Merck & Co. (\$1000), Laboratoire Nadeau (\$1000), Rouger et Frères (\$500), Hoffmann-Laroche (\$1000), Casgrain & Charbonneau (\$500), and others (\$2500). Different scholps. from Sir William Price, Knights of Columbus, Geo. E. Amyot, Quebec Dept. of Mines, Shawinigan Chemicals Ltd., Canadian Industries Ltd., Noranda Mines Ltd., Casgrain & Charbonneau, Singer Co., Brown Co., Consolidated Mining and Smelting Co. of Canada Ltd., Quebec Dept. of Health, National Research Council, Elliott M. Little, Buffalo Electro-Chemical Co., Fondation Canadienne pour l'avancement de la Pharmacie, Government of France, Impl. Order of the Daughters of the Empire, Imperial Oil Co. Ltd., Donnaccova Paper Co. Ltd. Several scholps. for Summer Courses.

NEW DEVELOPMENTS. The Hôpital de l'Enfant-Jésus becomes a Univ. hospital; the School of Commerce is attached to the Faculty of Social Sciences; the Institute of History and Geography, attached to the Faculty of Letters, is inaugurated.

DEATHS. His Eminence Jean-Marie-Rodrigue Cardinal Villeneuve, Chancellor; Mgr. Ulric Perron, Rev. Chrysologue Desrochers, Saluste Roy, M.D., Laurent Lesage, N.P.

HONORARY DEGREES. LL.D.—Hon. Justice Esten Kenneth Williams, Chief Justice, Court of King's Bench, Prov. of Manitoba; Hon. Justice James Chalmers McRuel, Chief Justice, Superior Court, Prov. of Ontario; H.E. Acyr Do Nascimento Paes, Consul General of Brazil in Canada; André Taschereau and Antoine Rivard, former Presidents, Quebec Bar Assocn., Hon. Antonio Talbot, Minister, Government of the Prov. of Quebec; Rev. Pierre Andrieu-Guitrancourt, Faculty of Canon Law, Paris; Hon. Justice Thomas Tremblay,

Superior Court, Prov. of Quebec; H.E. Field Marshal Viscount Alexander of Tunis, Governor-General of Canada; His Eminence Pierre-Marie Cardinal Gerlier, Archbishop of Lyon, France; Yves Montreuil, President Assocn. of Notaries of the Prov. of Quebec; Very Rev. J.-C. Laframboise, Rector, University of Ottawa; Mgr. Ferdinand Vandry, Rector, Fordham, Ottawa and Toronto; Dr. Roméo Blanchet, Secretary of Medicine, Ottawa. *Litt.D.*—H.E. Pierre-Paul Lorian, Consul General from France in Quebec. *Sc.D.*—Prince Louis de Broglie, Paris; Jacques Trefouel, Paris; Mrs. Thérèse Boyer-Trefouel, Paris; Dr. Albert Ursprung, Univ. of Fribourg, Switzerland; Leroy Fraser Grant, President, Engineering Inst. of Canada; Ernest Lavigne, President, Corporation of Professional Engineers of the Prov. of Quebec. *Soc.Sc.D.*—Dr. Harold Adams Innis, Univ. of Toronto; Dr. Alfred Simard, Quebec, Dr. Joseph-T. Pageau, Ste-Anne de la Pocatière. *Mus.D.*—Sir Ernest Campbell MacMullan, Univ. of Toronto. *Ed.D.*—Canon J.-J. Dubé, Principal, Laval Normal School of Quebec.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Rev. Arthur Maheux (Letters), in Toronto for conferences to Canadian Staff School for the three arms and in Cleveland on Canadian Art; Rev. J.-Aderville Bureau (Canon Law), several Univs. in Italy, France and Belgium; Mgr. Ferdinand Vandry (Rector), Assumption Coll., Worcester, Mass., Fordham Univ., N.Y., and several Canadian Univs.; Miss Jeanne Lapointe (Letters), Fifth Centenary Univ. of Bordeaux, France; Charles de Koninck (Philos.), Colls. and Univs. in United States, Spain; Dr. J.-Édouard Morin (Bacteriol.), Copenhagen and Paris; Dr. Wilfrid Leblond (Hyg.), Lisbon and Bruxelles; Dr. Jean Grégoire (Med.), Paris and Brussels; L.-P. Dugal (Physiol.), Oxford; Paul-E. Gagnon (Chem.), Oxford; Dean Adrien Pouliot (Sciences), several Canadian Univs.; Mgr. A.-M. Parent (Secretary General), Princeton and Columbia Univs.; Eugène Babin (Philos.), St. Louis Univ.

VISITING LECTURERS FROM OTHER UNIVERSITIES. Rev. Jean Deslanglez (Hist.), Loyola Univ., Chicago; Dr. Pasteur Vallery-Radot (Med.); Dr. A.-R. Prévôt (Med.); Dr. Hughes Gounelle (Med.), Faculty of Medicine, Paris; René Jasinski (Lit.), Paris; Émile Henriot (Lit.), Paris; Robert d'Harcourt (Lit.), Paris; Mgr. Louis Pichard (Latin), Paris; A. Latreille (Hist.), Lyons; Joseph Folliet (Sociology), Lyons; Yves Colle (Hist.), Paris; Canon Wilhe Onclin, Revs. Charles de Clercq and Gérard Fransen (Canon Law), Louvain; Rev. Thomas Philippe (Philos.), Le Saulchoir; Armand Hoog (Lit.), Strasbourg; Ifor Evans (Lit.), London; J. T. Jones (Lit.), Alberta; J.-M. Carrière (Lit.), Univ. of Virginia; Louis Mercier (Lit.), Georgetown; Étienne Gilson (Hist.), Coll. de France.

STUDENTS. Full-time: 5851, including 2391 having their B.A. and preparing another degree, 225 working for M.A. or Ph.D.; part-time: 590; Evening Courses: 632; Summer School (1946) 892, (1947) 1035.

DEGREES. *Theology*, Bacc., 32; Lic., 24; Doc., 3; *Canon Law*, Bacc., 9; Lic., 9; Doc., 5; *Philosophy*, Bacc., 32; Lic., 6; Doc., 8; *Law*, Bacc., 2; Lic., 27; *Medicine*, Bacc., 121; Doc., 10; *Letters*, Lic., 5; M.A. in French, 12; Ph.D. in French, 3; *Sciences*, Lic., 1; Bacc. in App. Sc., 34; B.Pharm., 5; B. Fisheries, 3; M.Sc., 4; Doc. Sc., 3; *Arts*, B.A., 404; *Agriculture*, Bacc., 10; *Soc. Sc.*, Bacc., 25; Lic., 26; Doc., 1; *Surveying*, Bacc., 4; *Forestry*, Bacc., 7; *Music*, Bacc., 9; Lic., 3; *Commerce*, Bacc., 84; Lic., 32; *Nursing*, Bacc., 2; *Household Sciences*, Bacc., 5; *Education*, Bacc., 26.

DIPLOMAS. Letters, 16; Commerce, 101; Nursing, 148; Music, 283; Arts, 47; Education, 3; Sciences, 1; Social Sciences, 32; Immatriculation, 1004.

MCGILL UNIVERSITY

MONTREAL

Founded 1821

Postal Address—805 Sherbrooke St. West, Montreal 2, P.Q.

VISITOR—H.E. The GOVERNOR-GENERAL OF CANADA.

CHANCELLOR—THE HON. ASSOCIATE CHIEF JUSTICE OF THE PROVINCE OF QUEBEC, O. S. TYNDALE, B.C.L., M.A., D.C.L.

PRINCIPAL AND VICE-CHANCELLOR—F. CYRIL JAMES, Chev. Lég. d'H., B Com. Lond., M.A., Ph D. Penn., D.C.L. Bishop's, LL.D. Qu., etc., D de l'U. Montr.

COMPTROLLER AND EXECUTIVE ASSISTANT TO THE PRINCIPAL—S. H. DOBELL, D.S.O.

SECRETARY AND BURSAR—W. BENTLEY.

REGISTRAR—T. H. MATTHEWS, M.A. Ox.

LIBRARIAN—RICHARD PENNINGTON, B.A. Birm., Lib. Dip. London.

DIRECTOR OF EXTENSION COURSES—WILFRID BOREY, O.B.E., K.C., B.A., LL.B. Camb., LL.D. Ottawa, D.Litt. Laval, F.C.I.S., F.R.S.C.

INCORPORATED COLLEGES

MACDONALD COLLEGE, at Ste. Anne de Bellevue (about 25 miles from Montreal), including Faculty of Agric., School for Teachers, and School of Household Science. Vice-Principal—W. H. Brittain, M.S. in Agr. Cornell, Ph.D. Cornell, F.R.S.C.

ROYAL VICTORIA COLLEGE, Montreal (the Women's College of the Univ.). Warden—Muriel V. Roscoe, B.A. Acadia, Ph.D. Radcliffe.

TEACHING STAFF

MCGILL COLLEGE

<i>Agriculture</i> , v. Macdonald College, <i>infra</i>	Workman, E. W., M.Sc., M.D., C.M. Lectr.
<i>Anatomy (Histology, Embryology)</i>	17 Demrs., 3 Teaching Fellows.
Martin, C. P., M.A., M.B., Ch.B., M.Sc., Sc.D. Dub.	<i>Anthropology</i> , v. Sociology, <i>infra</i>
Reford Prof.	<i>Architecture</i> , v. <i>infra</i>
Leblond, C. P., M.D., Ph.D. Paris, D.Sc. Montr. Assoc. Prof.	<i>Art</i> , v. Fine Arts, <i>infra</i>
Forster, D. S., M.A., M.D., C.M. Asst. Prof.	<i>Bacteriology</i> , v. Medicine, <i>infra</i>
Friedman, S. M., B.A., M.Sc., Ph.D., M.D., C.M. Asst. Prof.	<i>Biochemistry</i>
	Thomson, D. L., M.A. Aberd., Ph.D. Camb., F.R.S.C.
	Dean of Fac. of Grad. Stud. and Research, and Cheney Prof.

Quastel, J. H., Ph.D., D.Sc. Camb.,
F.R.S. Prof.
Denstedt, O. F., B.Sc. Manit.,
Ph D., F.R.I.C. Assoc. Prof.
Heard, R. D. H., M.A. Tor., Ph D
Manc. Assoc. Prof.
Ellhott, K. A. C., M.Sc. S. A., Ph D.
Camb. Asst. Prof.
Saffran, Judith, B.Sc. Sessl. Lectr
9 Demrs.

Botany

Roscoe, Muriel V., B.A. Acadia,
A.M., Ph.D. Radcliffe
Assoc. Prof
Polunin, N. V., M.Sc. Yale, M.A.,
D.Phil., D.Sc. Ox.
Macdonald Prof
Gibbs, R. D., M.Sc., Ph.D. Lond.,
F.R.S.C. Assoc. Prof.
Pady, S. M., M.A. McM., Ph.D.
Tor. Assoc. Prof.
Boyle, F. P., B.Sc., Ph.D. Cornell
Asst. Prof.
4 Demrs.

*Chemistry, v. also Engineering,
infra*

Maass, Otto, O.B.E., M.Sc., Ph D.
Harv., D.Sc. Rochester and
Laval, M.Sc., LL.D. Manit.,
F.C.I.C., F.R.S.C., F.R.S.
(Lond.) Macdonald Prof.
Purves, C. B., B.Sc., Ph D. St.
And., D.Sc. Lawrence Coll.
(Indust. and Cellulose Chem.)
Eddy Prof.
Hatcher, W. H., M.Sc., Ph.D.,
F.R.S.C., F.C.I.C. Prof.
Ross, J. H., D.Sc. Geneva, B.Sc.
Hon Lectr.
Mennie, J. H., B.Sc. Ox., M.A. Br.
Col., Ph.D. Assoc. Prof.
Nicholls, R. V. V., M.Sc., Ph.D.,
F.C.I.C. Assoc. Prof.
Winkler, C. A., O.B.E., M.Sc.
Manit., D.Phil. Ox., Ph.D.,
F.R.S.C. Prof.
Ross, A. S., B.A. W. Ont., A.M.
Oberlin, Ph.D. Asst. Prof.

Holcomb, R. K., B.Sc. (Agr.),
Ph D. Asst. Prof.
Bjorklund, G. H., B.Sc., Ph.D.
Lectr.
Campbell, W. B., B.Sc., Ph.D.,
F.R.S.C., F.C.I.C. Hon. Lectr.
Morton, M., B.Sc., Ph.D.
Hon. Lectr.
Bowen, W. G., B.Sc., Ph D.
Sessl. Lectr.
Holmes, J. M., B.Sc., M.A., Ph.D.
Sessl. Lectr.
76 part-time Demrs., 1 Research
Associate.

Classics

Woodhead, W. D., B.A. Ox., M.A.
Alta., Ph D. Chic. Mills Prof.
Carruthers, C. H., B.A. Tor. and
Ox., M.A. Tor., Ph.D. Chic.
(Class. Philol.) Prof.
Counsell, E. M., B.A. Ox.
Assoc. Prof
McCullagh, P. F., B.A. Tor., Ph.D.
Chic., M.A. Assoc. Prof.
Gordon, C. D., B.A. Alta., M.A.
Michigan Asst. Prof.

*Commerce, v. infra**Dentistry, v. infra**Economics and Political Science*

Higgins, B. H., B.A. W. Ont., M.Sc.
Lond., Ph D. Minn.
Bronfman Prof.
James, F. C., B.Com. Lond., M.A.,
Ph D. Penn., D.C.L. Bishop's,
LL.D. Queen's, etc., D. de
l'U. Montr., Chev. Lég. d'H.
(Pol. Econ)
Princ. and Vice-Chan-
cellor of Univ. Prof
Keirstead, B. S., B.A. N. Br. and
Ox., F.R.S.C. Dow Prof.
Mankiewicz, R. H., B.A., LL.M.
Frankfort, D.E.S., LL.D.
Lyons (Econ) Visiting Prof.
Marsh, D., B.A. N. Br., M.A. Louisi-
ana State, Ph D Ill Prof.
Watkins, F. M., A.B., Ph.D. Harv.
Bronfman Prof.

- Culliton, J. T., B.A. Sask., M.A.
Assoc Prof.
- Rollit, J. B., M.A., Ph D.
Asst. Dean Fac. Arts and
Sci. and Assoc. Prof.
- Woods, H. D., B.A. N. Br., M.A.
Assoc. Prof.
- Mallory, J. R., B.A. N. Br., M.A.
Dal., LL.B. Edin. Asst. Prof.
- Vineberg, P. F., M.A., B.C.L.
Asst Prof.
- Dehem, R. J. L. J., M.A. Louvain
(Econ) Visiting Lectr.
- Burgess, C. J., M.Com. (Econ.)
Lectr.
- Lermer, A., M.A. (Econ)
Sessl. Lectr.
- 8 Assts., 1 Teaching Fellow.
- Education*, v. also Macdonald
Coll., *infra*
- Hughes, J., M.A. Wales
Macdonald Prof.
- Currie, A. B., B.Com. Qu., M.A.,
M.Ed. Alta., Ph.D. Lond
Assoc. Prof.
- Lead, H. D., M.Sc., Ph.D. Lectr.
- George, A. R., B.A. Brist., B.D.
Lond. Sessl. Lectr
- Fletcher, Grace, B.A. Tor
Sessl. Lectr
- Perrie, J., B.A. Sessl. Lectr.
- 4 Pt-time Lectrs.
- Embryology*, v. *Anatomy*
- Engineering*, v. *infra*
- English Lang. and Lit.*
- Files, H. G., M.A., Ph.D. Harv.
Greenshields Prof.
- Duthie, G. I., M.A., Ph.D., D.Litt.
Edin. Molson Prof
- Phelps, A. L., B.A. Tor. Prof.
- Noad, A. S., M.A. Assoc Prof.
- Hall, Elmer Asst. Prof.
- Hemlow, Joyce, M.A. Queen's,
A.M. Radcliffe Asst Prof.
- Dando, John, M.A. Lectr.
- Falle, George, M.A. Lectr.
- Fricker, Kathleen M., B.A. Lectr.
- Ford, F. Sessl. Lectr.
- Klein, A. M., LL.M. Montr., B.A.
Visiting Lectr in Poetry.
- 8 Assistants.
- Fine Arts*
- Davies, R. T., A.M. Harv. Prof.
- French*, v. *Romance Langs.*,
infra
- Genetics*
- Boyes, J. W., M.Sc. Sask., Ph.D.
Wisc. Asst Prof.
- Butler, L., B.S.A. Guelph, M.S.A.,
Ph.D. Tor. Asst. Prof.
- Lecturers
- Boothroyd, E. R., M.Sc., Ph.D.
- Fraser, F. C., B.Sc. Acadia, M.Sc.,
Ph.D.
- Jolly, D. H., B.A. McM (Sessl).
2 Demrs., 1 Asst
- Geography*
- Kimble, G. H. T., M.A. Lond. Prof
- Washburn, A. L., B.A. Dartmouth,
Ph.D. Yale Hon. Lectr.
- Hare, F. K., B.Sc. Lond Asst Prof.
- Mackay, J. R., B.A. Clark, M.A.
Boston Asst. Prof.
- 2 Assistants.
- Geological Sciences*
- O'Neill, J. J., Ph.D. Yale, M.Sc.,
F.R.S.C., F.G.S.A.
Dean of Engin. and
Dawson (Macdonald)
Prof.
- Graham, R. P. D., B.A. Ox.,
M.Sc., D.Sc., F.R.S.C.
(Mineral.) Prof.
- Clark, T. H., A.M., Ph.D. Harv.,
F.R.S.C., F.G.S.A.
(Palaeont.) Logan Prof.
- Stockwell, C. H., B.A.Sc. Br. Col.,
Ph.D. Wisc.
Visiting Assoc. Prof.
- Gill, J. E., Ph.D. Princeton, B.Sc.,
F.R.S.C. Assoc. Prof.
- Jolliffe, A. W., M.A. Qu., Ph.D.
Princeton, F.R.S.C., F.G.S.A.
Assoc. Prof.
- 16 Demrs.

German

Graff, W. L., Ph.D. Louv.
Assoc. Prof.

Meyer, Bertha, M.A. Asst. Prof.

Block, Victor, B.A. Lectr.

Graduate Studies and Research,
v. *infra*

Greek, v. Classics

Histology and Embryology, v.
Anatomy, supra

3 Demrs.

History

Adair, E. R., B.A. Lond., M.A.
Camb., F.R.Hist S. Prof.

Fieldhouse, H. N., B.A. Ox., M.A.
Sheff. Kingsford Prof.

Bayley, C. C., M.A. Manc, Ph D.
Chic. Asst. Prof.

Cooper, J. I., M.A. W. Ont., Ph.D.
Assoc. Prof.

Reid, W. S., M.A., Th.M. West-
min., Ph.D. Penn. Lectr.

4 Assistants.

Household Science, v. Macdonald
Coll., *infra*

Latin, v. Classics

Law, v. *infra*

Library Science, v. Library Sch.,
infra

Logic, v. Philos.

Mathematics

Gillson, A. H. S., O.B.E., M.A.
Camb.

Dean of Fac. of Arts and
Sci. and Prof.

MacLean, N. B., D.S.O., M.A.
Manit. and Tor, Ph.D. Chic.,
F.A.I.A. Prof.

Williams, W. L. G., A.B. Harv.,
M.A. Ox., Ph.D. Chic., D. ès
Sc. Montr., F.R.S.C. Prof.

Tate, H., B.Sc. N.U.I., M.A. Dub.
Assoc. Prof.

Wallace, P. R., M.A., Ph.D. Tor.
(Appd. Maths.) Assoc. Prof.

Elliot, H. A., M.A. Camb.

Asst. Prof.
Ross, W. B., M.Sc., Ph.D.

Asst. Prof.
Solin, C. D., M.A., Ph.D. Tor.

Asst. Prof.
Tornehave, H. M., D.Phil. Copen-
hagen Asst. Prof.

Fullerton, R. D., B.A. Mt. A., M.A.
Harv. Lectr.

Hodge, C. S., B.A. Calif. Lectr.

Webster, S. G., B.Sc. Lectr.

Lambek, J., M.Sc. Sessl. Lectr.

Kaufman, H., M.Sc. Sessl. Lectr.

Looker, A. J., B.Eng. Sessl. Lectr.

Burrow, M. D., M.Sc. Sessl. Lectr.

Margolis, B., B.Sc. Sessl. Lectr.

Melamed, S., B.Sc. Sessl. Lectr.

Quinn, H. F., M.Sc. Sessl. Lectr.

5 Demrs.

Medicine, v. *infra*

Metallurgy, v. Engin., *infra*

Mineralogy, v. Geological
Sciences, *supra*

Mining, v. Engineering, *infra*

Music, v. *infra*

Nursing, v. Sch for Grad.
Nurses, *infra*

Philosophy

MacLennan, R. D., M.A. Edin.
Macdonald Prof.

Klibansky, R., M.A. Ox., D.Phil.
Heidelberg Visiting Prof.

Currie, C., Ph.D. Harv., M.A.
Asst. Prof.

Henderson, T. G., Ph.D. Harv.,
M.A. Asst. Prof.

Yalden-Thomson, D. C., M.A. Ox.
Sessl. Lectr.

1 Asst.

Physics

Shaw, A. N., M.A. Camb., B.A.,
M.Sc., D.Sc., F.R.S.C. Prof.

Foster, J. S., Ph.D. Yale, D Sc.
Acad., F.R.S.C., F.R.S.

Macdonald Prof.

Watson, H. G. I., B.A. Tor., M.Sc.,
Ph.D. Assoc. Prof.

Marshall, J. S., M.A. Qu., Ph.D.
Camb. Assoc. Prof.

Pounder, E. R., B.Sc., Ph.D.
Asst. Prof.

Terroux, F. R., Ph.D. Camb., B.A.,
M.Sc. Asst. Prof.

McPherson, Anna I., Ph.D. Chic.,
B.A., M.Sc. Asst. Prof.

Gunn, K. L. S., B.A. Western,
M.Sc. Lectr.

de Angelis, M. L., B.Sc., M.Eng.
Lond. Sessl. Lectr.

Dodds, J. W., M.Sc. Sessl. Lectr.
Douglas, D. G., M.A. Sask.

Hendrickson, Arne, B.A. Br. Col.
Sessl. Lectr.

Wagner, S., B.Sc. Sessl. Lectr.
78 Pt.-time Demrs.

Physical Education, v. infra

Physiology

Hoff, H. E., B.S. Wash., B.A.,
D.Phil. Ox., M.D. Harv.

Giblin, N., M.C., B.A. Tas., M.B.,
Ch.B. Edin. Assoc. Prof.

Dworkin, S., M.Sc., D.D.S., M.D.,
C.M. Asst. Prof.

Terroux, Kathleen G., B.A., M.Sc.,
Ph.D. Asst. Prof.

5 Demrs., 1 Teaching Fellow.

Physiotherapy, v. infra

Psychology, v. also Medicine,

Psychiatry, infra

McLeod, R. B., Ph.D. Col., M.A.
Prof.

Kellogg, C. E., B.A. Bowdoin,
M.A., Ph.D. Harv. Prof.

Alexander, Frances, B.A. Smith,
M.A., Ph.D. Col. Asst. Prof.

Ferguson, G. A., B.A. Dal., B.Ed.,
Ph.D. Edin. Asst. Prof.

Kellaway, P., M.A. Occidental,
Ph.D. Asst. Prof.

Webster, E. C., M.A., Ph.D.
Sp. Lectr.

Willis, Edith B., B.A. Stanford
Sessl. Lectr.

Malmö, R. B., M.A. Missouri, Ph.D.
Yale, F.A.P.A. Sessl. Lectr.

Hymovitch, B., M.Sc.
Sessl. Lectr.

Lansdell, H. C., B.Sc.
Sessl. Lectr.

7 Assistants, 1 Demr.

Romance Languages

Launay, J. E. L., L. ès L. Dipl.
d'Ét. Sup. Paris, Sorbonne,

Ag. de l'Ü. France (French)
Prof.

Furness, Mme. Lucie Touren,
L. ès L. Paris (French)

Assoc. Prof.
Larivière, Hélène, Ag. de l'Ü.

France (French) Assoc. Prof.
d'Hauteserve, Louis, B. ès L. and

Ph. Paris, Lic. en Droit Paris,
M.A. (French) Asst. Prof.

Lengrand, P. R., L. ès L., Dipl.
d'Ét. Sup. Nancy (French)

Asst. Prof.
Bodier, Madeleine M., L. ès L.,

Dipl. d'Ét. Sup. Paris
(French) Lectr.

Clertant, Lucienne, L. d'Angl.
Rennes (French) Lectr.

Lenoir, Norah M., M.A. (French)
Lectr.

Henry, Robina E., M.A. Dub.
(Spanish) Asst. Prof.

Harrop, L. B., B.A., D.Ed. W.
Aust., F.I.L. (Spanish)

Asst. Prof.
Stegen, G. F. (Spanish) Lectr.

Social Work, v. infra

Sociology

Dawson, C. A., B.A., Ph.D. Chic.
Prof.

Hall, O., B.A. Qu., Ph.D.* Chic.,
M.A. Assoc. Prof.

Kelley, W. H., A.B. Arizona, A.M.,
Ph.D. Harv. (Anthropol.)

Assoc. Prof.

La Violette, Forrest, B.A. Reed
Coll., Ph.D. Chic.

Assoc. Prof.

Ross, Aileen D., B.Sc. (Econ.)
Lond., M.A. Chic. Lectr.

Keyfitz, N., B.Sc. Lectr.
7 Demrs.

Spanish, v. Romance Langs.,
supra

Zoology, v. also Macdonald Coll.,
Parasitology, *infra*

Berrill, N. J., B.Sc. Brist., Ph.D.,
D.Sc. Lond., F.R.S.C.

Strathcona Prof.

Stanley, J., B.A. Br. Col., M.A.,
Ph.D. Minnesota Prof.

Dunbar, M., M.A. Ox., Ph.D.
Asst. Prof.

Scott, H. R., B.Sc. Acadia, M.S.,
Ph.D. Brown Asst. Prof.

Henderson, J. M., B.Sc. Lectr.
10 Demrs., 1 Teaching Fellow.

Architecture

Bland, John, B.Arch.
Director and Assoc. Prof.

Spence-Sales, H. J., B.A. N.Z.
Assoc. Prof.

de Pierro, H., B.Arch. (Drawing
and Design) Lectr.

Esdaile, R. C., M.A. Status Camb.,
B.Arch. Lectr.

Balharrie, J. W. Sessl. Lectr.
Johnson, W. A., B.A., B.C.L.

Sessl. Lectr.
Lismer, Arthur, LL.D. Dal.

Sessl. Lectr.
1 Instr.

Commerce

Accounting, v. Commerce, *infra*
Patton, D. R., B.Com.

Assoc. Prof.

Harris, A. Van, B.A. Manit.,
B.Com. Lectr.

Anderson, C. K. Lectr.
Dawson, R. J. P. Lectr.

Hall, G. B. A., M.Com. Lectr.
Knowles, F., B.Com. Lectr.

Fournier, L. P., B.Com. Lectr.
Houghton, V. Lectr.

Lemieux, E. A., B.Com. Lectr.
Mellor, C. D., B.Com. Lectr.

Pugsley, P. T. R., B.Com. Lectr.
Russell, C. M., B.A. Lectr.

Rutherford, F. A. Lectr.
Savage, H. B., B.Com. Lectr.

Smyth, W. A., B.Com. Lectr.
8 Demrs.

Commerce

Beach, E. F., B.A. Qu., A.M.,
Ph.D. Harv. Bronfman Prof.

Woods, H. D., B.A. N. Br., M.A.
(Indust. Relns.)

Director and Assoc. Prof.
Westbury, A. H., F.C.I.S. (Secre-
tarial Practice) Lectr.

Gordon, H. S., M.A. Columbia
Lectr.

8 Demrs.

Engineering

Architecture, v. *supra*

Chemical Engineering, v. also
Chem., *supra*

Phillips, J. B., M.Sc., Ph.D.,
F.C.I.C. Prof.

Gauvin, W., M.Eng., Ph.D.
Assoc. Prof.

Stafford, P. M., M.S.E. Michigan
Assoc. Prof.

Mason, S. G., B.Eng., Ph.D.
Sp. Lectr.

Epstein, N., M.Eng. Lectr.
2 Demrs.

*Civil Engineering and Applied
Mech*

French, R. de L., B.Sc. (Highways
and Municp.) Prof.

Jamieson, R. E., O.B.E., M.Sc.
Scott Prof.

Brown, E., M.Sc. Manc., M.Eng.
Liv., D.Eng. Tor. Prof.

Dodd, G. J., M.Sc. Prof.
Arcand, L. J., M.Eng. Assoc. Prof.

Craig, C., B.A., M.Eng.
Assoc. Prof.

Wilson, V. W. G., M.Sc. Mass. Inst. Tech., B.Sc. Asst. Prof.
 de Stein, J. L., B.M. Eng. Sask. (App. Sc.) Asst. Prof.
 Baker, M. C., B.Eng. Lectr.
 Mathison, W., B.Sc. Glas. Lectr.
 Brett, J. E., S.M. Harv., B.Eng. Sessl. Lectr.
 David, R. E., B.Sc. Paris Sessl. Lectr.
 Neilson, S. A., B.Sc. Sessl. Lectr.
 Sutherland, J. G., B.A.Sc. Tor Sessl. Lectr.
 Lindsay, C. C., B.Sc. Sessl. Lectr.
 McIlquham, W. S., B.Sc. Qu. Sessl. Lectr.
 3 Demrs.

Electrical Engineering

Christie, C. V., M.A. Dal., M.Sc. Macdonald Prof.
 Wallace, G. A., M.Sc. Prof.
 Burr, E. G., B.Sc. Assoc. Prof.
 Howes, F. S., Ph.D. Lond., M.Sc. Assoc. Prof.
 Schappel, W. H., B.Sc., M.Eng. Asst. Prof.
 Chipman, R. A., B.Sc. Manit., Ph.D. Camb., M.Eng. Asst. Prof.
 Breeze, J. E., M.A.Sc. Br. Col. Sp. Lectr.
 Gaudet, G., B.Sc. Sp. Lectr.
 Hayes, J. E., B.Sc. Qu., M.Eng. Sp. Lectr.
 Jaderholm, H. W., Dip.Eng. Dresden, M.Eng. Sp. Lectr.
 McKinley, D. W. R., M.A., Ph.D. Tor Sp. Lectr.
 Miller, G. R., M.Sc. Alta., Ph.D. Ohio State Sp. Lectr.
 Punchard, J. C. R., B.A.Sc. Tor Sp. Lectr.
 Henderson, J. T., Ph.D. Lond., M.Sc. Sp. Lectr.
 14 Demrs.

Engineering Drawing

Glynn, B. C. C. Asst. Prof.

Engineering Law and Economics

Rollit, J., M.A., Ph.D. (Econ.) Assoc. Prof.
 Patton, D. R., B.Com. (Acctcy.) Assoc. Prof.
 Challies, G. S., M.A., M.C.L. (Law) Lectr.

Geodesy, v. Civil Engin., supra

Mathematics, v. supra

Mechanical Engineering

Robb, C. A., S.M. Mass. Inst. Tech., D.Eng. Johns H., B.Sc. Prof.
 McKergow, C. M., M.Sc. Prof.
 Mordell, D. L., M.A. Camb. Assoc. Prof.
 Patten, R. H., B.Sc. Assoc. Prof.
 Bruce, W., B.A.Sc. Tor Asst. Prof.
 Coote, J. A., B.Sc. Asst. Prof.
 Killam, R. B., B.Eng. Asst. Prof.
 Oatway, H. C., D.I.C. Lond., B.Eng. Asst. Prof.
 Rice, W. B., B.Eng. Asst. Prof.
 White, J. M., B.E. J. Hop. Asst. Prof.
 Brown, D. R., B.Eng. Sessl. Lectr.
 Fainstat, M. M., B.Eng. Sessl. Lectr.
 McSweeney, T. P., B.Sc. Lond. Sessl. Lectr.
 Shone, K. J., M.A. Camb. Sessl. Lectr.
 Wantola, W. K., B.Eng. Qu. Sessl. Lectr.
 Wong, G., B.Eng. Sessl. Lectr.
 11 Demrs.

Mining and Metallurgical Engineering

Bladon, L., B.Sc. (Mining E.) Macdonald Prof.
 MacEwan, J. U., B.Sc. Qu., M.Sc. Montana (Metall.) Birks Prof.
 Sproule, G. St. G., M.Sc. Assoc. Prof.

O'Shaughnessy, M D, M.Eng.,
M S Montana Asst. Prof.

Physics, v. supra

Surveying, v. Civil Engin., supra

Graduate Studies and Research

Thomson, D. L., M.A. Aberd ,
Ph D. Camb , F.R.S.C.
Dean and Prof. of Biochem.
(Graduate instruction and super-
vision of Research are under-
taken by members of virtually
all Depts. of the Univ)

Law

LeMesurier, C. S., K.C., B.A.,
B.C.L. Dean and Prof.
Baudouin, L., D. en Droit ès Sc.
juridiques et ès Sci. polit.
Paris Prof.
Scott, F. R., B.A. Bishop's and
Ox., B.Litt. Ox., B.C.L.,
F.R.S.C. Prof.

Civil Procedure and Evidence

Anglin, J. P., B.A., B.C.L. Lectr.
Watt, A. M., B.A., B.C.L. Lectr.

Commercial and Maritime Law

Bruneau, A. S., K.C., B.A., B.C.L.
Prof.

Criminal Law

Fauteux, G., K.C., B.A., LL.L.
Montr Assoc. Prof.

Insurance Law

O'Brien, J. L., K.C., B.A., B.C.L.
Assoc. Prof.

International Law and Organiza- tion

Cohen, M., B.A., LL.B. Manit.,
LL.M. Northwestern
Assoc. Prof.

Roman Law

Owen, G. R. W., M.A., B.C.L.
Sessl. Lectr.

Taxation Law

Richardson, C. S., K.C., M.A.
Acadia, LL.B. Dal.
Sessl. Lectr.

Library School

Library Science

Lomer, G. R., M.A., Ph.D. Col.,
F.L.A.

Prof. and Dir. of School.
Ross, Vernon, M.A., B.S. in Lib.
Sci. Col. Asst. Prof.

Murray, Virginia, B.A., B.L.S.,
M.A. Col. Lectr.

Elder, J. C., B.Sc. Sessl. Lectr.
Hamlyn, Grace, B.A., B.L.S.

Sessl. Lectr.
Haultain, Helen Sessl. Lectr.

Jenkins, Kathleen, B.A.
Sessl. Lectr.

Simon, Beatrice, B.A., L.S. Dip.
Sessl. Lectr.

Reynolds, Grace, L. S. Certif.
Sessl. Lectr.

Medicine

Anæsthesia

Bourne, Wesley, M.Sc., M.D., C.M.,
F.R.C.P.C. Asst. Prof.

Stewart, C. C., M.D., C.M.
Asst. Prof.

Wilkinson, F. A. H., M.D., C.M.,
F.I.C.A. Asst. Prof.

Ferguson, R., M.B.E., M.D. Tor.,
F.I.C.A. Lectr.

Griffith, H. R., M.D. Hahnemann,
B.A., M.D., C.M. Lectr.

Stephen, C. R., B.Sc., M.D., C.M.,
D.A. Lectr.

Stockwell, W. C., B.A. Bishop's,
M.D., C.M. Lectr.

5 Demrs.

Anatomy, v. supra

Bacteriology and Immunity

Murray, E. G. D., O.B.E., M.A.
Camb., F.R.S.C. Prof.

Smith, F., M.A., M.B., B.Ch
Camb.

(Bacteriol.) Dean of Fac.
and Prof.

Fleming, D. S., B.A., M.D., C.M.,
D.P.H. Tor.

Sec. of Fac. and Asst. Prof.

Kalz, Gertrude G., Matura M.D.,
D.P.H. Prague Asst. Prof.
Kelly, C D., M.S.A. Br. Col., Ph.D.
Corn. Asst. Prof.
Stevenson, J. W., M.D., C.M.
Queen's Asst. Prof.
Denton, G. D., Jr, B.S. Acadia,
M.D., C.M. Lectr
de Vries, Joan, B.A. Dal., M.D.,
C.M. Lectr.
Nunes, Doris S., M.D., C.M.

1 Demr. and 2 Assts.

Biochemistry, v. supra

Clinical Therapeutics

Fullerton, C. W., M.D., C.M.
Asst. Prof.

Dermatology

Burgess, J. F., O.B.E., M.D.,
F.R.C.P.Can. Clin. Prof.
Ereux, L. P., B.Sc., M.D., C.M.
Clin. Prof.
Kalz, F., M.D. Prague Lectr.
Mitchell, D. S., B.Sc., M.D. North-
western Lectr

*Gynæcology, v. Obstetrics and
Gynæcology*

Health and Social Medicine

Vivian, R. P., M.D. Tor.
Strathcona Prof.
MacMillan, C. W., M.D., C.M.,
D.P.H.
Asst. Prof. and Sr. Health
Officer
Bews, D. C., M.D., C.M. Qu.,
D.P.H. Tor., D.T.M.
Asst. Prof. and Lectr. in
Tropical Med.
Ward, R. V., M.D., C.M.,
F.R.C.P.Can. Lectr.
Silverman, B., M.D., C.M.,
F.A.P.A. Lectr.
Ross, H. G., M.D., C.M. Lectr.
Cruikshank, W. H., M.D., D.Psy.,
D.P.H. Tor. Lectr.
1 Statistical Asst., 1 Asst. in
Nutrition.

History of Medicine

Francis, W. W., A.B., M.D. J. Hop.
M.D., C.M. (ad eun.) Lectr.

*Medical Jurisprudence, v Toxi-
col. and Med. Jurisp.*

Medicine, v also Bact., Pæd.

Mills, E. S., M.Sc., M.D., C.M.,
F.R.C.P.Can., F.A.C.P. Prof

Associate Professors

Brow, G. R., M.D., C.M.,
F.R.C.P.Can.
Browne, J. S. L., B.Sc.(Med.),
Ph.D., M.D., C.M., F.R.S.C.
Lewis, D. S., M.Sc., M.D., C.M.,
F.R.C.P.Can., F.A.C.P.
Mason, E. H., Ph.B., M.D., C.M.,
F.R.C.P.Can., F.A.C.P.
Rabinowitch, I. M., M.D., C.M.,
D.Sc., F.R.C.P.Can., F.A.C.P.

Assistant Professors

Birchard, C. C., M.D. Tor.,
F.R.C.P.Can.
Evelyn, K. A., B.Sc., M.D., C.M.
Feeney, N., B.A. Laval, M.D., C.M.
Fullerton, C. W., M.D., C.M.
Gordon, K., B.A., M.D., C.M.,
F.R.C.P.Can.
Henderson, A. T., M.D., C.M.,
F.A.C.P.
Kaufmann, J., M.D., C.M.,
F.R.C.P.Can.
Mitchell, H. S., B.A., M.D. Qu.
Palmer, J. H., M.D., C.M., F.R.C.P.
Lond. and Can.
Scriber, W. de M., B.A., M.D.,
C.M., F.R.C.P.Can.
Tidmarsh, C. J., M.A., M.D., C.M.,
F.A.C.P., F.R.C.P.Can.
Usher, B., B.A., M.D., C.M. Lectr.
Venning, Eleanor H., B.A., M.Sc.,
Ph.D.
Hoffmann, M. M., B.A. Mt.A.,
M.Sc. Dal., Ph.D. Asst. Prof.
McIntosh, J. F., B.A. N. Br.,
M.D., C.M.
Rose, B., B.A., M.D., C.M., M.Sc.,
Ph.D.

Lecturers

- Adams, L. J., M.D., C.M.,
F.R.C.P.Can.
Aronovitch, M., B.Sc., M.D., C.M.
Barker, C. S., B.A., M.D., C.M.
Bennetts, R. C., M.D., C.M.
Bensley, E. H., M.B.E., M.D., C.M.
Brabander, J. O. W., M.D., C.M.
Burke, H. E., M.Sc., M.D., C.M.,
Ph.D.
Cleghorn, R. A., M.D. Tor., D.Sc.
Aberd.
Copping, G. A., M.D., C.M.
Fowler, A. F., M.D., C.M.
Halpenny, G. W., B.Sc., M.D.,
C.M., F.R.C.P.Can.
Harbert, R. G. M., B.Sc., M.D.,
C.M.
Hill, W. H. P., B.A., M.D., C.M.
Howlett, J. G., M.Sc., M.D., C.M.,
F.R.C.P.Can.
Kennedy, W. R., B.Sc., M.D., C.M.
Lowenstein, L., B.A., M.D.
Meakins, J. F., M.A. Camb., M.D.,
C.M.
Mendel, D. L., M.D., C.M.
McLellan, W. G., M.D., C.M.
Ortenberg, S., M.D., C.M.
Pattee, C. J., B.A., M.D., C.M.
Schenker, V., B.Sc., Ph.D.
Segall, H. N., M.D., C.M., F.A.C.P.
Smith, McI., M.Sc., M.D., C.M.
Thom, A. T., M.D. Tor., B.A.
Townsend, S. R., B.A., M.D.,
C.M.
Ward, R. V., M.D., C.M.,
F.R.C.P.Can.
Weil, P. G., B.A. N. Carolina,
M.Sc., M.D., C.M., Ph.D.
Wright, H. P., B.A. Bishop's,
M.D., C.M.
29 Demrs and Sessl. Demrs.

Neurology and Neuro-Surgery

- Penfield, W. G., C.M.G., Litt.B.,
D.Sc. Princ., M.A., D.Sc. Ox.,
M.D. J. Hopk., F.R.C.S.Can.
and Lond., F.R.S.C., F.R.S.
Dir. of Neurol. Inst. and
Prof.

- Cone, W. V., B.Sc., M.D.,
F.R.C.S.Can., F.R.S.C.
Assoc. Prof.
McEachern, D., M.D. Manlt.
(Neurol.) Assoc. Prof.

Assistant Profs.

- Elhott, K. A. C., M.Sc. S.A., Ph.D.
Camb. (Neurol.).
McNaughton, F. L., B.A., M.Sc.,
M.D., C.M. (Neurol.).
Young, A. W., M.D., C.M.,
F.R.C.P. Can. (Neurol.).
Elvidge, A. R., M.Sc., M.D., C.M.,
Ph.D., F.R.C.S.Can. (Neuro-
surgery).
Jasper, H., A.B. Reed, M.A.
Oregon, Ph.D. Iowa, D. ès Sc.
Paris (Neurophysiol.).
Kershman, J., M.Sc., M.D., C.M.
(Neurol.). Lectr
5 Demrs. and Asst. Demrs., 9 Res.
Fellows.

Obstetrics and Gynæcology

- Philpott, N. W., M.D., C.M.,
F.R.C.O.G., F.A.C.S.,
F.R.C.S.Can. Prof.
Campbell, A. D., M.D., C.M.,
F.R.C.S.Can., F.A.C.S.,
F.R.C.O.G. Assoc. Prof.
Bauld, W. A. G., D.S.O., B.A. Dal.,
M.D., C.M., F.R.C.S.Can.,
F.A.C.S., F.R.C.O.G.
Asst. Prof.
Henry, J. S., M.D., C.M., F.A.C.S.
Asst. Prof.
Melhado, G. C., M.D., C.M.,
F.R.C.O.G., F.A.C.S.
Asst. Prof.
Simpson, G. A., M.D., C.M.,
F.A.C.I. Asst. Prof.
Rosenbaum, J., M.D., C.M.,
F.A.C.S. Asst. Prof.

Lecturers

- Foote, W. R., B.A., M.D., C.M.
Kearns, P. J., M.Sc., M.D., C.M.,
F.A.C.S.
MacFarlane, K. T., M.D. W. Ont.,
F.A.C.S.

Maughan, G. B., M.Sc., M.D.,
C.M.

Patrick, I. Y., B.A., M.D., C.M.

Percival, Eleanor S., B.A., M.D.,
C.M., F.R.C.S.Can.

Sparling, D. W., M.D. Tor.

Ward, C. V., B.A. Bishop's, M.D.,
C.M., F.A.C.S.

Strean, G. J., B.A., M.D., C.M.,
F.A.C.S., F.R.C.S.Can.

6 Demrs and 1 Teaching Fellow.

Ophthalmology

MacMillan, J. A., M.D., C.M. Prof.

Ramsey, G. A. S., B.A., M.D.,
C.M., F.A.C.S. Assoc. Prof.

Lecturers

Johnston, K. B., M.D., C.M.

Nicholls, J. V. V., B.A., M.Sc.,
M.D., C.M.

Alexander, B., B.Sc., M.D., C.M.,
D.O.M.S.

Viger, R. J., M.D., C.M.

Orthopædic Surgery

Petrie, J. G., M.D., C.M.

Asst. Prof.

Shannon, J. G., M.D. Tor.,
F.A.C.S. Asst. Prof.

1 Demr.

Oto-Laryngology

Ballon, D. H., B.A., M.D., C.M.,
F.R.C.S.Can., F.A.C.S.

Assoc. Prof.

McNally, W. J., M.D., C.M.
Dal., B.A., M.Sc., D.Sc.,
F.R.C.S.Can. Assoc. Prof.

Hodge, G. E., M.D., C.M., F.A.C.S.,
F.R.C.S.Can. Asst. Prof.

Tremble, G. E., M.D., C.M.,
F.R.C.S.Can. Asst. Prof.

Lecturers

Hutchison, K., M.D., C.M.

Freedman, A. O., M.D., C.M.

Scharfe, E. E., M.D., C.M.

Stuart, E. A., B.A. N. Br., M.D.,
C.M., F.R.C.S.Can. and Ed.

3 Demrs.

Pædiatrics

Goldbloom, A., B.A., M.D., C.M.,
F.R.C.P.Can. Prof.

Ross, S. G., D.S.O., B.A., M.D.,
C.M., F.R.C.P. Assoc. Prof.

Lindsay, L. M., M.D., C.M.

Assoc. Prof.

Ross, Alan, M.D., C.M. Asst. Prof.

Bacal, H. L., B.A., M.D., C.M.

Lectr.

Geddes, A. K., M.D., C.M. Lectr.

MacDermot, P. N., M.D., C.M.

Lectr.

Scriver, Jessie Boyd, B.A., M.D.,
C.M., F.R.C.P.Can. Lectr.

Worden, E. M., M.D. Tor. Lectr.

13 Demrs.

Parasitology, v. Macdonald College, *infra*

Pathology

Duff, G. L., B.Sc., M.A., M.D.,
Ph.D. Tor., F.R.C.S.

Strathcona Prof.

More, R. H., M.D. Tor., M.Sc.
(Comp. Pathol.) Prof.

Waugh, T. R., B.A. Yale, M.D.,
C.M. Assoc. Prof.

Pritchard, J. E., M.D. Manit.

Asst. Prof.

Wilson, D. C., M.D. Tor. Lectr.

Mackenzie, M. B., B.Sc., M.D.,
C.M. Lectr.

Mathews, W. H., M.D., C.M. Lectr.

Toreson, W. E., M.D., C.M. Lectr.

Wiglesworth, F. W., M.D. Manit.
Lectr.

3 Demrs. and Asst. Demrs.

3 Teaching Fellows.

Pharmacology and Therapeutics

Stehle, R. L., M.A. Ohio State,
Ph.D. Yale (Pharm.) Prof

Lewis, D. S., M.Sc., M.D., C.M.,
F.R.C.P.Can., F.A.C.P.
(Pharm.) Assoc. Prof.

Melville, K. I., M.Sc., M.D., C.M.
(Pharm.) Assoc. Prof.

- Fraser, A. M., B.Sc. Dal., M.A.
Haverford, M.D., C.M.
(Pharm.) Asst. Prof.
- Scriven, W. de M., B.A., M.D.,
C.M., F.R.C.P.Can., F.A.C.P.
(Pharm.) Lectr.
- 5 Demrs., 1 Res. Fellow.
- Physiology*, v. *supra*
- Physiotherapy*, v. *Physiotherapy*,
infra
- Psychiatry*
- Cameron, D. E., M.B., Ch B., M.D.
Glas.
- Prof. and Dir., Allan
Memorial Inst. of Psy-
chiatry.
- Hebb, D. O., B.A. Dal., Ph.D.
Harv., M.A. Prof.
- Malmo, R. B., M.A. Missouri,
Ph.D. Yale (Psychol.)
Asst. Prof.
- Cleghorn, R. A., M.D. Tor., D.Sc.
Aberd. Asst. Prof.
- Hanson, F., B.Sc. Wisc., M.D.
Nebraska Asst. Prof.
- Moll, A. E., B.C.L., M.D., C.M.
Asst. Prof.
- Prados y Such, M., M.D. Madrid
Asst. Prof.
- Reed, G. E., M.B. Tor. Asst. Prof.
- Silverman, B., M.D., C.M.,
F.A.P.A. Asst. Prof.
- Stern, K., M.D. Frankfurt
Asst. Prof.
- Dancey, T. E., M.D., C.M. Lectr.
- Gray, M. C., B.Sc., M.D., C.M.
Lectr.
- MacKay, A. A., M.D., C.M. Lectr.
- 6 Demrs., 1 Research Fellow.
- Radiology*
- Peirce, C. B., A.B., M.Sc., M.D.
Mich., F.A.C.P. Assoc. Prof.
- Ritchie, W. L., M.B. Tor.,
F.R.C.P.Can. Assoc. Prof.
- Bouchard, J. J. L., M.D. Laval,
D.M.R.E. Camb. Asst. Prof.
- McRae, D. L., M.D. W. Ont.
Asst. Prof.
- McKay, J. W., M.D., C.M.
Asst. Prof.
- 3 Demrs., 1 Fellow.
- Surgery*, v. also *Orthopædic*
Surg., *supra*
- Miller, G. G., M.Sc., M.D., C.M.,
F.R.C.S.Can., F.A.C.S. Prof.
- Assoc. Profs.
- Armour, J. C., M.Sc., M.D., C.M.
- Fitzgerald, R. R., B.Sc., M.D.,
C.M., F.R.C.S.Eng. and Can.
- Ross, D. E., E.D., M.D., C.M.,
F.A.C.S., M.Sc.
- Wilkie, A. L., B.A. St. F.X., M.D.,
C.M.
- Elder, H. M., M.D., C.M.
- Asst. Profs.
- MacKenzie, D. W. (Jr.), M.A.
Camb., M.D., C.M., D.Sc. Col.
- McIntosh, C. A., B.A., M.D., C.M.
- McKim, L. H., M.D., C.M.,
F.R.C.S.Can., F.A.C.S.
- Stewart, A. J., M.D., C.M.,
F.R.C.S.Can., F.A.C.S.
- Dawson, H. L., B.A., M.D., C.M.
- Martin, S. J., M.D., C.M., F.R.C.S.
Ed. and Can.
- Rowe, P. G., B.Sc., M.D., C.M.,
F.R.C.S.Can.
- Moseley, H. F., M.A., D.M., M.Ch.
Ox., B.A., F.R.C.S.Eng. and
Can., F.A.C.S.
- Gardner, C. N., M.D., C.M.,
F.R.C.S.Eng. and Can.
- Morton, H. S., B.A., M.Sc. Dal.,
M.B., B.S. Lond., F.R.C.S.
- Fauteux, M., B.S. Laval, M.D.
Montr., F.R.C.S.Can.
- Lecturers
- Kaufmann, M., M.D., C.M.
- Luke, J. C., M.B.E., B.A., M.D.,
C.M., F.R.C.S.Can., F.R.C.S.
- Baxter, H. A., M.Sc., M.D., C.M.,
D.D.S.
- McNaughton, E. A., M.D., C.M.,
F.R.C.S.Can.

Baxter, S. G., M.D., C.M., M.Sc.,
Ph.D.
Pretty, H. G., M.D., C.M.
Reid, R. G., M.D., C.M.
Gerne, J. W., B.A., D.D.S. Alta.,
M.D., C.M., D.L.O.
Vineberg, A. M., M.Sc., M.D., C.M.
Webster, D. R., B.A., M.D., C.M.
Dal., M.Sc., Ph.D.
19 Demrs., 5 Res. Fellows.

Therapeutics, v. Pharmacol. and
Therap., *supra*, also Clinical
Therap., *supra*

Toxicology and Medical Juris-
prudence

Rabinowitch, I. M., M.D., C.M.,
D.Sc., F.R.C.P. Can., F.A.C.P.
Lectr.

Urology

Powell, R. E., B.A. Mt. A., M.D.,
C.M., F.R.C.S. Ed. and Can.,
F.A.C.S. Clin. Prof.
Smith, E. S., M.D., C.M.,
F.R.C.S. Can., F.A.C.S.

Clin. Prof.
Hawthorne, A. B., B.A., M.D.,
C.M. Lectr.

MacDonald, S. A., B.A., M.B.,
Ch.B. Edin. Lectr.
Seng, M. I., M.D., C.M., F.R.C.S.C.
Lectr.

5 Demrs.

Dentistry

Marchand, P. R., D.D.S.
Asst. Prof.
Racey, A. G., D.D.S. Asst. Prof.
Bell, R. B., B.Sc., D.D.S. Lectr.
Earle, J. M., B.Sc., D.D.S.
Lectr. and Clin. Instr.
Johnston, W. J., D.D.S. Lectr.
Henry, D. W., B.A. Bishop's,
D.D.S. Lectr.
Mitchell, A. W., D.D.S. Lectr.
Walford, W. F., D.D.S. Lectr.
Walsh, C. T., B.Sc., D.D.S. Lectr.

D. History and Ethics

Laurin, E. M., D.D.S. Lectr.
Blacklock, J. N., D.D.S. Lectr.

D. Jurisprudence [Lectr

Johnson, W. A., B.A., B.C.L.

Operative D.

Mowry, D. P., D.D.S., F.A.C.D.
Prof.
Leahy, W. G., B.Sc., D.D.S.
Assoc. Prof.

Moore, C. H. P., D.D.S. Lectr.
43 Pt.-time Demrs.

Oral Surgery

Walsh, A. L., D.D.S. McG. and
Montr., F.A.C.D.
Dean and Prof.

Gerrie, J. W., B.A., D.D.S. Alta.,
M.D., C.M., D.L.O.

Assoc. Prof.
McMahon, R. E., D.D.S. (Ex-
odontia) Asst. Prof.

Orthodontia

McClelland, A. W., D.D.S., L.D.S.
Prof.
Franklin, G., D.D.S. Asst. Prof.
Donigan, M. L., D.D.S. Lectr.
1 Demr.

Prosthetic D.

Bushell, W. C., D.D.S. Prof.
Dagg, R. E., D.D.S., L.D.S.
Asst. Prof.
7 Demrs.

Music

Clarke, D., Mus.B., M.A. Camb.,
F.R.C.O., F.R.C.M.
Dean of Fac. and Dir. of
Conservatorium.
Tupper, R. de H.
Vice-Dir., Sec. and Lectr.
Hanson, F. K., Mus.B., Mus.D.
Asst. Prof.
Duchow, M., Mus. Bac., B.A.
N.Y.U. Asst. Prof.
Archer, Violet B., Mus.B. Lectr.
Champagne, Claude Lectr.

Timmermann, E. D., B.Sc. (Acoustics) Lectr.
14 Instrs.

School for Graduate Nurses

Lindeburgh, Marion, O.B.E., M.A. Col.

Director of School and
Assoc. Prof.

MacLennan, Electa A. E., B.A. Dal., M.A. Col. Asst Prof

Stewart, Eugenie M., B.Sc. North-western (Nursing Admin) Asst Prof.

Peverley, Ann (Pub. Health Nursing) Lectr

Marshall, Kathleen, Sch. of Nursing Certif. Sessl Lectr.

17 Lectrs (part-time)

1 Instr., 1 Teaching Fellow

Physical Education

Lamb, A. S., B.P.E. Springfield, M.D., C.M. Director and Prof.

Munroe, Iveagh, B.Sc., M.A. Col., M.S.P.E.

Asst. Dir. and Asst. Prof
Ryan, H. R., B.A. Acadia, B.P.E. Springfield Asst Prof

Van Wagner, F. M., B.P.E. Springfield Assoc. Prof.

Finlay, H., Dip. M.S.P.E. Asst. Prof.

Orlck, E., B.A. W. Ont., B.Sc. (Phys. Ed.) Springfield, M.A., M.S.P.E. (Higher Dip.) Asst. Prof.

Wagner, Thelma, B.Sc., M.A. New York Asst. Prof.

Bean, Gladys, B.A., M.S.P.E. Lectr.

Wood, Winona, B.A., B.Ed. Sask., M.A. Col., M.S.P.E. Lectr.

2 Instrs.

Physiotherapy

Fisk, G. H., B.A., M.D., C.M., D.T.M. and H.

Director and Lectr.

Mason, Mary Lectr.

Nicholson, Helen M. Lectr.

(Instruction is given by members of the Fac. of Medicine, Sch. for Graduate Nurses, and Sch. of Physical Educ.)

4 Demrs

Social Work

King, Dorothy, O.B.E., M.A. Director and Assoc. Prof.

Aikin, Dorothy, B.A. Asst. Prof.

Elledge, Caroline H., Ph.B., M.A. Chic. Asst. Prof.

Judkins, Barbara E., A.B. Smith, M.S. Columbia Asst. Prof.

Laycock, J. E., M.A. Tor. Asst. Prof.

Zaloha, Anne B., M.A. North-western, Ph.B. Chic. Asst. Prof.

Younge, Eva R., M.A. Asst. Prof

Mergler, J. K., B.A., B.C.L. Sp. Lectr.

2 Instructors.

MACDONALD COLLEGE

Vice-Principal and Dean of the Fac. of Agric.—W. H. Brittain,
M.S. (Agr.), Ph.D. Corn., F.R.S.C.

Agriculture

Agricultural Chemistry

Common, R. H., B.Sc., M.Agr. Belf., Ph.D., D.Sc. Lond.

Prof.

De Long, W. A., B.S.A. Tor., Ph.D. Minn., M.Sc., F.C.I.C.

Assoc. Prof.

Chapman, R. A., Ph.D. Asst. Prof.

Baker, B. E., Ph.D. Laval Sessl. Lectr.

7 Demrs and 1 Asst.

Agricultural Economics

- Lattimer, J. E., B.S.A., M.Sc.,
Ph.D. Wisc. Prof.
Burton, G. L., M.A. Alta., Ph.D.
Iowa State Prof.
MacFarlane, D. L., B.S.A., M.Sc.
Sask., Ph.D. Minnesota Prof.

Agricultural Engineering

- Heimpel, L. G., M.S. Corn.
Assoc. Prof.
Cooper, J. H., B.Sc.(Agr.)
Asst. Prof.
Malloch, A. C., B.Sc. Qu. Lectr.
4 Assts.

Agronomy

- Raymond, L. C., M.S. Wisc. Prof.
Lods, E. A., M.S.A. Assoc. Prof.
Cowan, J. R., B.S.A. Ont. Agr.
Coll., M.S. Minnesota
Asst. Prof.
Hanson, A. A., B.S.A., M.Sc.
Lectr.
2 Assts.

Animal Husbandry

- Ness, A. R., B.S.A. Prof.
Hamilton, L. H., B.S.A. Tor.,
M.S. Wisc. Assoc. Prof.
Moxley, J. E., B.Sc. (Agr.) Lectr.
1 Instr.

Animal Pathology

- Swales, W. E., B.V.Sc. Tor., V.S.
Ont., Ph.D. Assoc. Prof.
Durrell, W. B., D.V.M. Tor. Lectr.

Bacteriology

- Gray, P. H. H., M.A. Ox., D.Sc.
Lond. Assoc. Prof.
Thatcher, F. S., B.S.A., M.Sc.,
Ph.D. Asst. Prof.

English

- Paton, J. M., M.A., B.Pæd. Tor.
Assoc. Prof.
Avison, H. R. C., M.A. Asst. Prof.
1 Asst.

Entomology

- Brittain, W. H., M.S. (Agr), Ph.D.
Corn., F.R.S.C. Dean and Prof.
Du Porte, E. M., B.S.A., M.Sc.,
Ph.D. Assoc. Prof.
Morrison, F. O., B.A., M.Sc. Alta.,
Ph.D. Asst. Prof.
Whitehead, W. E., M.Sc. Lectr.
5 Demrs.

Handicrafts Division

- Sprenger, Ruth G. Director.

Horticulture

- Murray, H. R., B.S.A. Tor., M.Sc.
Corn. Assoc. Prof.
Cullen, L. Lectr.
1 Asst.

Nutrition

- Crampton, E. W., B.S. Conn.,
M.S. Iowa, Ph.D. Cornell,
F.R.C.S., F.C.I.C. Prof.
Ashton, G. C., B.S.A. Ont., M.Sc.
Lectr.

Physics

- Rowles, W., M.Sc., Ph.D.
Assoc. Prof.
Oliver, W. F., B.A. McM., M.A.,
Ph.D. Tor. Asst. Prof.
Herald, C. A., M.Sc. Dal. Lectr.
11 Demrs., 1 Asst.

Plant Pathology

- Coulson, J. G., M.A. Qu.
Assoc. Prof.
Callen, E. O., B.Sc., Ph.D. Edin.
Asst. Prof.
Ludwig, R. A., M.Sc. Alta., Ph.D.
Asst. Prof.
3 Assts.

Pomology

- Nussey, A. N., B.Sc. (Agr.) Lectr.

Poultry Husbandry

- Maw, W. A., M.S.A. Assoc. Prof.
Nikolaiczuk, N., M.Sc. Alta.
Asst. Prof.

Institute of Parasitology

- Cameron, T. W. M., T.D., M.A.,
D.Sc. Edin., Ph.D. Lond.,
F.R.S.C. Director and Prof.
Miller, M. J., B.Sc. Sask., Ph.D.
Tulane, M.D. Qu., M.Sc.
Assoc. Prof.
Fairbairn, D., B.A. Qu., Ph.D.
Rochester Asst. Prof.
Choquette, L., D.V.M. Montr.
Lectr.
Connell, R.R., D.V.M. Tor. Lectr.
Munroe, E. G., M.Sc., Ph.D.
Cornell Lectr.
2 Res. Assts.

Household Science

- McCready, Margaret S., B.A. Tor.,
Ph.D. Aberd. (Nutrition)
Dir. and Assoc. Prof.
Honey, F. Isabel, M.A. Tor.
(Foods and Cookery)
Asst. Prof.
Lecturers
Stickwood, Alice M., B.S., M.A.
Col. (Foods, Dietetics, and
Inst. Admin.).
Guilford, Marjorie J., B.Sc. Manit.
(Clothing and Textiles).
Wilson, Vera O., M.A. Tor. (Home
Management).

- Jenkins, Marjorie M., B.Sc. Alta.
(Textiles and Clothing).
Trapp, Margaret A., M.A. Col-
umbia, B.Sc. (Household Sci.).
1 Asst. (Household Admin.)

Teachers, School for

- Laird, S., M.A., B.Phil., LL.D. St.
And., D.Pæd. Montr.
Dean, Director, and Prof.
of Educn.
Steeves, W. A., B.A. Acadia,
Ed M. Harv. (Maths.)
Asst. Prof.
Hanson, F. K., Mus.D. (Music)
Lectr.

Lecturers

- Brownrigg, Novah E., B.A. Qu.
(French).
Buzzell, Helen M. (Art).
Seiveright, Dorothy J., M.A.
Bishop's
Stewart, Blanche (Kindergarten
and Primary Methods).
Doxsee, Rev. F. A. C., B.A. Tor.
and Ox. (Relig. Instruction)
Hon. Lectr.
Whitley, Rev. Canon F. L., M.A.
(Relig. Instruction)
Hon. Lectr.
1 Instr.

AFFILIATED INSTITUTIONS

ACADIA, ALBERTA, MT. ALLISON, AND ST. FRANCIS XAVIER UNIVS. Students who have completed the 2-yr. course in Engin. of these Univs. are admitted directly to the 3rd yr. in McGill Engin. courses, except in Chemical Engin., for which special arrangements are at present necessary.

TRURO AGRICULTURAL COLLEGE. Students who have completed the 2-yr. course of study are admitted to the 3rd yr. in the Faculty of Agriculture at Macdonald College.

PRINCE OF WALES COLLEGE, Charlottetown, P.E.I., and MEMORIAL COLLEGE St. John's, Nfld. Students who have completed the 2-yr. course of study are admitted to the 3rd yr. in the Faculty of Agriculture or the School of Household Science at Macdonald College.

AFFILIATED THEOLOGICAL COLLEGES

DIOCESAN COLLEGE OF MONTREAL. Principal, Rev. W. A. Ferguson, M.A., B.D.

PRESBYTERIAN COLLEGE, MONTREAL. Acting Principal, Rev. Robert Lennox, M.A., Th.B.

UNITED THEOLOGICAL COLLEGE, MONTREAL. Principal, Rev. George G. D. Kilpatrick, B.A., D.D.

Students enter after graduation or pursue courses concurrently in Arts at the Univ., in Theol. at the Coll.—6 yrs. in all.

GENERAL INFORMATION

Established in 1821 by Royal Charter. For early history and constitution, see *Yearbook* for 1929. Income from Investments, about \$1,000,000.

LIBRARIES. 510,000 vols (incl. Macdonald Agricultural Coll. Library and the Medical Library). Special collections Blackader Library of Archit.; Blacker Library of Zool.; Osler Library of the Hist of Science; Redpath Pamphlet Collection; and Wood Library of Ornithol. LABORATORIES: Anat., Bact., Genetics, Geol., Chemistry, Physics, Zool., Bot., Physiol., Biochem., Pharmacol., Neurol., Engin., Psychol. and Psychiatric Research, Pulp and Paper Research, Agric. Research, Radiation (with cyclotron), Biophysics, Public Health. RESEARCH INSTITUTES: Biophysics, Parasitology, Pulp and Paper. FARM, Live Stock and Grain, 876 acres. ASTRON. OBSERVATORY. The INSTITUTE OF PARASITOLOGY. MEDICAL MUSEUM (Strathcona), collection of disturbances of heart and vascular system and aneurisms. REDPATH MUSEUM (botanical, geological, and zoological collections). Ethnological Library, McCord (Canadiana) Museums. HOSPITALS. available for clinics, 2000 beds in affiliated hospitals.

FACULTIES. Arts and Science, Law, Medicine, Engin. (Archit., and 6 branches of Engin.—Chem., Civil, Elect., Mech., Metall., Mining), Agric., Dentistry, Music, Graduate Studies and Research. SCHOOLS. Archit., Commerce, Household Science, Library Administration, Nursing, Phys. Ed., Physiotherapy, Social Work, Teachers

ADMISSION. The matriculation exams. of the Canadian provinces and the British School Certificates giving exemption from London Matricn. qualify in general for admission to the first year of Arts and Science and some other faculties. Additional Univ. work is required for still other faculties, e.g. Engineering, 1 yr., Dentistry, 2 yrs. Medicine normally, and Social Work and Library School always, require a bachelor's degree. For full details, see the General announcement and the separate announcements of the faculties and schools concerned. Enquiries should be addressed to the Registrar.

DEGREE COURSES. Mus.B., 3 yrs.; B.A., B.Com., B.Sc., B.Sc. (Agr.), B.Sc. (H. Ec.), B.Sc. (Phys. Ed.), 4 yrs.; B.Arch., B.Eng., B.C.L., 5 yrs.; D.D.S., 6 yrs.; M.D., C.M., 7 yrs.; B.L.S. (Library Science), B.S.W. (Social Work), 1 yr., post-graduate; B.N. (Nursing), 7 yrs.

HIGHER DEGREES. M.A., M.Com., M.C.L., M.Sc., M.Eng., M.Arch., M.S.W. —1 yr. resident graduate study, thesis and examn.; Ph.D.—3 yrs. graduate study; D.Litt.—on recommendation of Faculty of Grad. Studies; D.C.L.—by valuable contribution to legal science; Mus.D.—by a composition and examn. not less than 7 yrs. after taking the Mus.B.

DIPLOMAS. Graduate Nurses, 1 yr.; L.Mus., 3 yrs.; Physiotherapy, 3 yrs. Postgraduate—D.P.H., D.T.M., 1 yr., and Teachers (awarded by Province of Quebec), 1 yr. Postgraduate diplomas are also awarded in the Fac. of Medicine in each of the clinical specialties, 3 yrs.

ATTENDANCE at lectures at the Univ. is indispensable for a degree or diploma, except in Music.

DIPLOMA COURSE IN AGRICULTURE. The Diploma Course in the Faculty of Agriculture consists of two sessions of five months each (November to March inclusive). This course is intended to provide a general education for boys who intend to farm, and equip them with such a technical knowledge of agriculture as will enable them to deal with the problems arising in connexion with their work. The work is so arranged that students may choose subjects that definitely relate to the type of farming in which they are most interested. A third session, leading to an Advanced Diploma, is also available for students of high standing, emphasis being placed upon the problems of rural leadership.

Closely connected with this course is the "Old Country boy" project, under which boys from the British Islands are encouraged to take up this diploma course at Macdonald College so as to fit them for the work of farming, and every effort is made to give them, not only the theoretical education that is needed, but also the practical. Since this plan was put into effect in 1926 about 300 boys, from English public and secondary schools, have been placed on selected farms.

FEES. Yearly tuition, Arts, \$244; Sci., \$267; Engin., \$291; Med., \$391 (non-British, \$491); Dentistry, \$339 (non-British, \$379); Law, \$265; Music, \$237; Library School, \$263.50; Commerce, \$263. Graduate Faculty: M.A. (non-science subjects), M.Com., and M.C.L., \$147; M.A. (science subjects with lab. work), M.Sc., M.Eng., \$167; M.Sc.Chem., \$174; Ph.D. (non-science subjects), \$147; Ph.D. (science subjects with lab. work), \$167; Ph.D.Chem., \$174. Phys. Edu. (Degree course), \$272; School for Graduate Nurses (Diploma course), \$197, (Degree course), \$242; Physiotherapy, \$262; School of Social Work, \$173.50; Master's Degree Course, \$172.

SCHOLARSHIPS FOR GRADUATES. Open to Graduates in several Faculties—McGill Delta Upsilon Memorial Scholp., \$700; Solvay Fellowship, \$750; Cominco Fellowship, \$750 (Sci., Engin., Agric.). In Fac. of Arts and Sci.—Moyses Travelling Scholps., 2 of \$1250 each; Allen Oliver Fellowship (Econ. and Polit. Sc.), \$400; Alexander Mackenzie Fellowship (Polit. Sc.), \$600; Philip Carpenter Fellowship (Nat. Sc.), income from \$7000 endowment; Arthur C. Tagge Fellowship (Humanities or Soc. Sci.), \$850; Bronfman Fellowships (Comm. and Econ.), 2 of \$1200 each; Mary Keenan Scholp. (Eng.), \$200; H. L. Blachford Fellowship (Org. Chem.), \$750; Shawinigan Fellowship (Chem.), \$1000; Guy Drummond Memorial Scholp. (Econ. and Polit. Sc.), income from \$58,700 endowment; Allied Chemical and Dye Corporation Fellowship (Chem.), \$1200; Ontario Paper Co. Fellowship (Cellulose Chem.), \$1000. In Facs. of Arts, Sci., and Engin.—Le Roy Memorial Fellowship (Geol.), \$500; T. Sterry Hunt Research Scholp. (Chem.), \$600; Adams Scholp. (Geol.), \$300; C.I.L. Fellowship (Chem.), 2 of \$1000 each; Inco Fellowships (Chem., Engin., Mining, Metall. or Geol.), 2 of \$500 each; Gottesman Fellowship (Chem.), \$800; Brown Fellowship (Chem. or Chem. Engin.), \$1000; Nuodex Fellowship, \$800; American Viscose Corp., Sylvania Division Fellowship (Chem.), \$1000; Shell Oil Fellowship, \$1000. In Fac. of Engin.—Research Fellowships in Mining and Metallurgy, \$600 and \$550; B. J. Harrington Bursary (Mining), \$150; J. B. Porter Scholp., \$200. In School of Archit.—Hugh McLennan Memorial Scholp., \$1000. In Fac. of Medicine—A. A. Browne Memorial Fund, \$10,000 endowment; James Douglas Research Fellowship (Path.), \$25,000 endowment; John McCrae Fellowship (Surgery), \$1000; Dr. J. Francis Williams Fellowship (Medicine), \$500; Dr. J. H. B. Allan Fellowship, \$300; James Cooper Endowment; Blanche Hutchinson Research Fund; Osler Memorial Scholp.

(Chn. Medicine); H. W. Molson Fellowship (Cancer Res.), \$1000; Casgrain and Charbonneau Award (Prev. or Treatment of Diseases); G. Rutherford Caverhill Fellowship (Med.). In Fac. of Law—Macdonald Travelling Scholp., \$1200; Edwin B. Busteed Scholp., \$240. In Fac. of Agric.—Macdonald College Alumni Assoc. Graduate Scholp., \$200; Walter M. Stewart Scholps., 2 of \$500 each.

RESIDENCE. I. In Montreal. Women: Royal Vict. Coll. (137 students), \$453 p.a. Strathcona Hall (71 students), \$403 p.a. McLennan Hall (28 students), \$378 p.a. Ana House (41 students), \$300 p.a. Men: Douglas Hall (147 students), \$478 p.a. Wilson Hall (70 students), \$468 p.a. II. Outside Montreal. Dawson Coll. (1700 students), completely residential with special quarters for married students. Peterson Residence (Lachine). Residences for married and single veterans. III. Macdonald Coll., completely residential, with special quarters for married veterans.

STUDENT HEALTH. An annual med. examn. is required of every student. The Univ. provides regular consulting service for all students and full medical and nursing services for men and women in residences. It also makes some contribution towards necessary hospital expenses.

ATHLETICS. Opportunities are provided for taking part in following sports: *For men:* Canadian and English Rugby Football, Association Football, Ice-Hockey, Basketball, Track, Swimming, Gymnastics, Boxing, Wrestling, Fencing, Skung, Tennis. *For women:* Gymnastics, Dancing, Badminton, Swimming, Volleyball, Basketball, Tennis, Archery, Golf, Skiing, Skating.

MILITARY TRAINING. Univ. Contingents prepare students for commissions in Canadian Army (Reserve) and Canadian Navy (Reserve).

EXTENSION WORK. Extension courses in a variety of subjects are given in the afternoon and evenings for residents of Montreal and vicinity. Some prepare students for special examns., such as are required by the various Accountancy Associations (leading to diplomas of C.A., C.P.A., etc.), and the Inter. and Final examns. of the Chartered Inst. of Secretaries. Rural extension work is carried on under the Fac. of Agriculture.

PUBLICATIONS. *Calendar* (August); *General Announcement* (for intending students) (April); *Faculty and School Announcements* (May to July); *Annual Report* (Dec.); *McGill News*, quarterly, by Graduates' Soc.; *McGill Daily*, by students; *McGill and its Story, 1821-1921*, by Cyrus Macmillan (London, John Lane; Toronto, Oxford Univ. Press, \$3); *A Historical Sketch of the Medical Faculty and of the Origin of McGill University*, by Dr. Maude Abbott; *Oldest McGill*, by E. A. Collard (Macmillan, \$2); *McGill University at War, 1914-18, 1939-45*, by R. C. Fetherstonhaugh (McGill University, 1947, \$3).

THE YEAR 1946-47

BENEFACTIONS. Gifts, grants, and bequests received by the University during the fiscal year June 1, 1946, to May 31, 1947, totalled \$1,560,140. (Details of these benefactions are given in the Annual Report for 1946-47.)

NEW BUILDINGS. Agricultural Engineering Bldg. constructed at Macdonald Coll. Dawson Hall (Administration Building) rebuilt. Important extensions made to Engineering Building and Pathological Institute.

NEW DEPARTMENTS. Biophysics, Fine Arts.

NEW POSTS. Chairs in Biophysics, Fine Arts, and Anthropol. (in the Dept. of Sociology). Position of Comptroller and Executive Assistant to the Principal created.

EXTRA-MURAL WORK. Evening courses in approximately 75 subjects, mainly business administration, languages, and graduate subjects. These lead to certificates, diplomas, and graduate degrees. Lending libraries, discussion groups, and radio discussion groups in rural and semi-rural areas. Summer School in Leadership in co-operation with Laval University.

RETIREMENTS. Prof. C. V. Christie (Elect. Engin.); Asst. Prof. J. A. Coote (Mech. Engin.); Assoc. Prof. Dorothy King (Social Work); Dr. G. R. Lomer (Univ. Librarian and Prof. of Library Admin.); Dr. C. J. Macmillan (Dean of Arts and Sci. and Prof. of English); Dr. J. C. Meakins (Dean of Med. and Prof. of Med.); Prof. C. T. Sullivan (Maths.); Clin. Prof. W. G. Turner (Orthopædic Surg.).

RESIGNATIONS. W. H. Barnes (Chem.); K. E. Boulding (Econ. and Pol. Sc.); W. W. Chipman (Governor); J. B. Collip (Endocrinol.); J. P. Humphrey (Roman Law); D. A. Keys (Physics); R. W. Klinck (Mech. Engin.); D. Leigh (Anæsthesia); W. D. McFarlane (Agric. Chem.); D. E. MacLachlan (Physical Educ.); Frances Montgomery (Social Work); L. C. Montgomery (Med.); R. L. Noble (Endocrinol.); F. F. Osborne (Geol.); F. G. Pedley (Pub. Health and Preventive Med.); H. J. Scoggan (Plant Pathol.); G. F. Stephens (Governor); O. S. Tyndale (Civil Procedure).

DEATHS. Dr. H. B. Cushing (Pædiatrics); Dr. F. B. Gurd (Surg.); Dr. W. F. Hamilton (Med.); Dr. F. E. Lloyd (Bot.); Dr. F. H. Mackay (Neurol.); Dr. C. G. Sutherland (Med.); Dr. G. W. Spinney (Governor).

HONORARY DEGREES. *LL.D.*—Ray Atherton, United States Ambassador to Canada; Robert Collier Fetherstonhaugh, Official Historian of McGill University's loan effort; Cyrus Macmillan, Retiring Dean of the Faculty of Arts and Science, McGill Univ.; George Catlett Marshall, Secretary of State of the United States. *D.Sc.*—Thomas Forrest Cotton, Physician; The Rt. Hon. Sir John Anderson, P.C., G.C.B., Chairman of the Atomic Energy Commission of Great Britain; Niels Henrik David Bohr, Director of the Institute of Theoretical Physics at the Univ. of Copenhagen; Ernest Orlando Lawrence, Prof. of Physics and Director of the Radiation Laboratory at the Univ. of California; Jonathan Campbell Meakins, Retiring Dean of the Faculty of Medicine, McGill Univ.; David Arnold Keys, Vice-President of the National Research Council of Canada. *D.Litt.*—Sir Hector James Wright Hetherington, Principal and Vice-Chancellor of the Univ. of Glasgow. *D.C.L.*—The Hon. Orville Sievwright Tyndale, Associate Chief Justice of the Superior Court of the Province of Quebec, Chancellor of McGill Univ.

STUDENTS. Total: 8239; full-time: 7726; part-time: 513; the total includes 2078 women, 487 postgraduates, and 3991 ex-service students.

DEGREES. B.A., 199; M.A., 24; B.C.L., 16; M.C.L., 2; B.Sc., 192; M.Sc., 47; B.Sc. (Agr.), 46; B.Sc. (Phys. Ed.), 6; B.Sc. (H. Ec.), 16; B.Arch., 14; B.Eng., 152; M.Eng., 12; M.D., C.M., 92; D.D.S., 20; B.Com., 95; M.Com., 1; B.L.S., 45; Mus.B., 2; Mus.D., 1; B.N. (Nursing), 18; Ph.D., 36.

DIPLOMAS. Grad. Nurses, 91; Music (L.Mus.), 6; Tropical Med., 1; Grad Dip. in Med., 2; Physiotherapy, 27.

MACDONALD COLLEGE DIPLOMAS. Agriculture, 16; Homemakers, 24.

McMASTER UNIVERSITY

HAMILTON, ONTARIO

Founded 1887

CHANCELLOR—GEORGE PEEL GILMOUR, B.A., B.D., M.A. Yale, D.D. Vict.

REGISTRAR—HAROLD E. BRIDGE, B.A., B.Th.

SECRETARY OF THE SENATE—E. J. BENGOUGH, B.A.

BURSAR—W. N. PATERSON, B.A.

LIBRARIAN—J. W. SPURR, B.A., B.Ed. Acad.

TEACHING STAFF

Anthropology, v. Geog.

Botany

Radforth, N. W., M.A. Tor., Ph.D.
Glas. Prof.
Gaiser, Lulu O., B.A. W. Ont.,
M.A., Ph.D. Columb. Prof.
Laking, L., B.S.A. Ont. Agr. Coll.
Sp. Lectr.

Chemistry

Burke, C. E., Ph.D. Ill., M.A.
Dean (Arts & Sci.), Prof.
Thode, H. G., M.Sc. Sask., Ph.D.
Chic., F.R.S.C. Prof.
Cragg, L. H., M.A., Ph.D. Tor.
Asst. Prof.
Graham, R. P., M.A. Qu. and Col.,
Ph.D. Col. Asst. Prof.
Woods, M. E., B.A. Tor.
Sessl. Lectr.

English

Kirkconnell, W., M.A. Qu., Ph.D.
Debrecen, LL.D. Ott.,
F.R.S.C. (to 31.8.48.) Prof.
Haddow, G. C., M.A. Ox. and Tor.
Prof.
Wiles, R. McK., B.A. Dal., M.A.,
Ph.D. Harv. Asst. Prof.
Brothers, Muriel, M.A. Ox., B.A.
Sessl. Lectr.
McKeon, Martha, B.A. Penn. Coll.
Sessl. Instr.

McLean, E., M.A. Sp. Lectr.

Classics

Stearn, C. H., M.A. Camb., B.D.
Lond., Ph.D. Tor.
Dir. of Univ. Extension
and Prof.
Bristol, L. D., S.T.M. Union Theol.
Sem., B.A., B.D. (Greek)
Lectr.

Fine Arts

Vickers, Elizabeth S., B.A.
Sp. Lectr.

French

Freeman, H. A., M.A. Sask.
Assoc. Prof.
Bronner, F. J. L., B.A. Qu., M.A.
McG., Ph.D. Ott. Asst. Prof.
Patrick, A. W., M.A. Manit., Ph.D.
Paris Asst. Prof.
Agnew, Lady Swanzie, M.A. Edin.
Sessl. Lectr.

Geography and Anthropology

Watson, J. W., M.A. Edin., Ph.D.
Tor. Assoc. Prof.

Geology

Armstrong, H. S., M.A. Tor., Ph.D.
Chic.
Asst. Dean (Arts and Sci.)
and Asst. Prof.
Scott, H. S. Sessl. Instr.

German

- Martin, A. P., B.A. Brown, M.A.,
Ph.D. Wisc. Prof.
Cardinal, C. H., M.A. McGill
Sessl. Lectr.
Krausse, W., M.A. Tor.
Sessl. Lectr.

History

- New, C. W., B.A. Tor, Ph.D.
Chic, B.D., F.R.S.C. Prof.
Macdonald, N., B.A. Qu., A.M.
Harv., Ph.D. Edin. Prof.
Pettit, L. J., B.A. Qu.
Sessl. Instr.
Salmon, E. T., B.A. Syd, M.A.,
Ph.D. Camb. (Ancient H.)
Prof.
McCready, H. W., M.A. Tor.
Lectr.

Mathematics

- Johns, A. E., M.A., Ph.D. Tor.
Prof.
Bankier, J. D., M.A. Qu., Ph.D.
Rice Lectr.
McCallion, W. J., B.A.
Sessl. Lectr.
Britton, F. R., B.Sc. Wales
Sessl. Lectr.
MacKay, E. G., B.A.Sc. Tor (Sur-
veying) Sp. Lectr.

Nursing Education

- Sharpe, Gladys J., B.S. Columbia
Lectr.

*Philosophy, Psychology, and
Ethics*

- Waters, F. W., Ph.D. Yale, B.A.,
B.D. Prof.
Dulmage, H. A., B.A., B.D. Lectr.
Baxter, C. A., M.A., Ph.D. Tor.
Sessl. Lectr.
Cosgrave, G. P., M.A., Ph.D.
Sp. Lectr.
Lewis, R. H., B.A. Sp. Lectr.
Stevens, V. S., B.A. Sp. Lectr.

Physics

- Dawes, H. F., M.A., Ph.D. Tor.,
F.R.S.C. Prof.

- McLay, A. B., M.A., Ph.D. Tor.,
B.A., F.R.S.C. Prof.
Moon, R. J., B.A. South-western
Miss. State Teachers' Coll.,
Ph.D. Chic. Prof.
Woods, M. E., B.A. Tor.
Sessl. Lectr.
Dean, G. H., M.Sc. Instr.

Political Economy

- Michell, H., B.A. Ox., M.A. Manit.,
F.R.S.C. Prof.
Hurd, W. B., O.B.E., B.A. Manit.,
M.A. Ox., F.R.S.C. Prof.
McIvor, R. C., B.A. W. Ont., M.A.,
Ph.D. Chic. Asst. Prof.
Price, G., M.A. Tufts, B.A.
Sp. Lectr.
Short, F. W., M.Sc. Minn., B.A.
Sessl. Lectr.
Armstrong, G., B.A. (Accting.)
Sp. Lectr.
Linton, E. B., B.A. (Accounting)
Sp. Lectr.
Denison, H. J. (Accounting)
Sp. Lectr.
Hallamore, A. S. (Accounting)
Sp. Lectr.

Speech

- McMullen, G. A., B.A. Tor.
Sp. Lectr.

Zoology

- Warren, A. E., B.A. Acad., Ph.D.
Harv. Prof.
Judd, W. W., M.A. W. Ont., Ph.D.
Tor., B.A. Lectr.

Theology

*Christian Theology and Philo-
sophy of Religion*

- Aldwinckle, R. S., B.A. Lond. and
Ox., D.Th. Stras. Prof.
Line, J., M.A., S.T.D., D.D.
Visiting Prof.
Shaw, J. M., M.A., D.D.
Visiting Prof.

Church History

- Albaugh, G. P., B.A. Ohio State,
B.D. Colg-Roch. Asst. Prof.

<i>Hebrew and Old Test. Interpretation</i>	<i>Religious Education</i>
Parker, N. H., B.Sc. Mississippi, Th.D. Southern Bapt. Seminary Prof.	Kitchen, L. C., Ph.D. Hart., M.A. Dir. of Field Work for Theol. Students and Lectr.
<i>New Test. Interpretation</i>	
Lang, H. W., S.T.M., Union Theol. Sem., M.A., B.D. Assoc. Prof.	<i>Physical Education</i>
<i>Practical Theology</i>	Burridge, A. A., B.A. Director.
Stewart, H. S., B.A. Roch. and Harv., B.D., D.D. Roch Dean, Prof.	Prince, L. A. Asst. Dir. for Men.
	Lewis, Gwen Asst. Dir. for Women.

GENERAL INFORMATION

In 1887 Toronto Baptist College and Woodstock College, Woodstock, were united under the name of McMaster University, and their already existing endowments were increased by \$900,000, received under the will of the Hon. Wm. McMaster. The Board of Governors (16) are elected by the Baptist Convention of Ontario and Quebec. There is no religious test for entrance, but the Profs. and Lectrs. must be members of some evangelical church. Moulton College, Toronto (founded in 1888), is represented on the Senate.

LIBRARY, 65,000 vols. LABORATORIES: Botany, Chem., Geology, Geography, Physics, Zoology.

DEGREE COURSES. 3 and 4 yrs., B.A., B.Sc.

The B.A. degree is recognized by the Univ. of London.

5 yrs., B.Sc. in Nursing. The course in Nursing has been expanded and reorganized into a School of Nursing. Several hospls. and similar institutions in Hamilton and vicinity are co-operating.

HIGHER DEGREES. M.A., 1 yr.'s course after B.A.; M.Sc., 1 yr.'s course after B.Sc.; B.D., 3 yrs.' course after B.A.

DIPLOMA. Theol., 3 yrs.' course (1 yr. in Arts and 2 yrs. in Theol.). The Theol. Dept. has been renamed "The School of Divinity."

A course has been established for the Diploma in Vocational Guidance, given by Summer School Work.

CERTIFICATE. Women's Leadership Training School of McMaster University provides training in Arts and Theology for missionary and other religious work.

PHYSICAL TRAINING. Two hours a week of physical training are required of all students from entrance to the end of the Junior Division. An annual medical examn. is required of all students.

MILITARY TRAINING is available to men students through the Univ. Naval Training Division and the Canadian Officers' Training Corps.

FEES. Annually, for tuition—Arts, \$175; Theol., \$75. For student organizations, athletics, etc., men, \$32.50, women, \$28.50.

RESIDENCE. Board and room per session: men in Edwards Hall, \$341; women in Wallingford Hall, \$353.

PUBLICATIONS. *Calendar* (January); *McMaster Muse* (students' magazine);

McMaster Silhouette (students' weekly paper); *Marmor* (students' annual); *McMaster Alumni News* (pub. by Alumni Assn.), five times a year; *A Handbook and Directory*, printed annually.

THE YEAR 1946-47

BENEFACTIONS. The Davella Mills Foundation of New York has made a gift of \$500,000 for the Mills Memorial Library to be erected in the near future. The Alumni Association is raising \$200,000 for a Memorial Recreation Centre.

NEW DEPARTMENTS AND POSTS The Royal Botanical Gardens, which controls 1500 acres in the neighbourhood of the Univ., is now affiliated with the Univ. Prof. Radforth of the Dept. of Botany is also Director of the Gardens. A course in Conservation and Recreation Planning has been established, leading to the degree B.A. and the certificate of the Royal Botanical Gardens.

OTHER DEVELOPMENTS. Increased facilities for research work in Physical and Biological Sciences.

EXTENSION WORK. Extension work is carried on by means of evening classes in the Univ. buildings and in other centres in the Niagara Peninsula, also by a six weeks' summer session in the Univ. The courses are followed by Public School teachers who wish to improve their academic rating, or who wish to proceed to the B.A. degree. During the winter of 1946-47, 720 students enrolled for extension classes. 580 of them were in attendance at the Univ., and the remainder in classes at five outside centres, or working extra-murally. During the summer of 1946 there were 290 students in attendance. Eight or ten students graduate each year from the Extension Dept.

ADULT EDUCATION. During 1946-47 non-academic courses were offered in Current Events, Crafts, Public Speaking, Russian, Russian Hist., Salesmanship, Vocational Guidance. Popular lectures are given by the professors under various auspices. The Mountain Sanatorium is connected with the Univ. by wire, and a series of lectures are given each session to the patients there. Concerts and other events are similarly broadcast to the Sanatorium.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. Line from Victoria Univ. and Prof. Shaw from Queen's Univ. lectured during the year, taking the Theological subjects handled by Prof. McCracken (resigned 1946).

RETIREMENTS. Prof. Findlay, Hd. of dept. of Maths.; Prof. Dawes, Hd. of Physics dept., nominally retired in 1947, but continues on the staff in view of the delay in securing the services of Prof. Moon; E. J. Bengough retired as Registrar, but retains the position of Secretary of the Senate; Harold E. Bridge becomes Registrar.

RESIGNATIONS. Prof. K. W. Taylor, on leave of absence since 1939, to become Deputy Minister of Finance for Canada; Prof. E. F. Haden, Hd. of dept. of French; Prof. H. Michell, Hd. of the dept. of Polit. Econ.

HONORARY DEGREES, 1947. *D.D.*—Rev. W. E. Hodgson and Rev. Gerald C. Stone, distinguished ministers in Toronto (both alumni); Rev. Clark L. Timpany, an alumnus who has been a missionary in India for forty years. *LL.D.*—H. H. Champ, a distinguished citizen of Hamilton; M. E. Aubrey, of London, England, an official of the British Baptist Union; President J. S. Thomson of the Univ. of Saskatchewan. *D.Sc.*—Prof. David A. Keys of McGill Univ.

STUDENTS. Total: 1138; full-time: 1083; part-time: 55; the total includes 352 women and 25 postgraduates.

DEGREES, 1947. B.D., 8; M.A., 8; B.A., 204; M.Sc., 7; B.Sc., 12.

DIPLOMAS. Theology, 1; Women's Leadership Training, 6; Vocational Guidance, 1.

THE UNIVERSITY OF MANITOBA

WINNIPEG

Founded 1877

CHAIRMAN OF THE BOARD OF GOVERNORS—W. J. PARKER, Esq.

CHANCELLOR—The Hon. A. K. DYSART, M.A., LL.D.

VICE-CHANCELLOR AND PRESIDENT—.....

REGISTRAR—DOUGLAS CHEVRIER, B.A.

ASSISTANT REGISTRAR—JAMES A. TURNER, B.A., B.Ed

COMPTROLLER AND SECRETARY OF BOARD OF GOVERNORS—F. W. CRAWFORD, B.S.A.

LIBRARIAN—ELIZABETH DAFOE, B.A.

DEAN OF WOMEN—MARJORIE MACKAY, B.A.

TEACHING STAFF

Actuarial Science

Warren, Ll. A. H., M.A. Qu.,
Ph.D. Chic., F.C.A.S., F.A.S.,
F.A.I.A. Prof.
Oakland, G. B., B.A. Sask., M.A.
Minn. Asst. Prof.
Goulden, C. H., B.S.A., M.S.A.
Sask., Ph.D. Minn. (Stat-
istics) Hon. Lectr.
Bragg, J. M., B.Com. Asst.
Thompson, H., B.Com. Asst.
Crofts, G., B.Com. Asst.
Coates, B. N., B.A. Asst.
Jackson, E. S., B.Com. Asst.

Agriculture, v. infra

Anatomy, v. also Med.-Surg.

Thompson, I. M., B.Sc., M.B.,
Ch.B. Edin.
Hd. of Dept., Prof.
Bowie, D. J., B.Sc. (Med.), M.A.,
Ph.D. Tor. Asst. Prof.
Klass, A. A., B.A., M.D., F.R.C.S.
Ed., F.R.C.S.Can. Lectr.
Sigurdson, L. A., M.A., M.D. Lectr.
Wheeler, D., M.A., M.D., C.M.,
F.F.R., F.A.C.R.
(X-ray) Lectr.

4 Demrs.

Architectural Drawing

Graham, J. W., B.Arch. Lectr.

Architecture and Fine Arts

Russell, J. A., B.Sc. (Arch.),
M.Arch. Mass. Inst. Tech.
Prof.
Sellors, R. B., M.Arch. Mass Inst
Tech., B.Arch. Asst. Prof.
Farnham, E. M., B.Arch. Rens-
selaer Poly. Inst., M.Arch.
Harv. Asst. Prof.
Gerson, W. Asst. Prof.
Donahue, A. J., B.Arch. Minne-
sota, M.Arch. Harv. Asst. Prof.
Harland, Joan M., B.Arch. Lectr.
Thrift, E. W., M.Arch. Mass. Inst.
Tech., B.Arch. Lectr.
Graham, J. W., B.Arch. Lectr.
Stanley, K. C., B.Arch. Lectr.
Moody, H. H. G., B.Arch. Lectr.
Spence, Elizabeth V., Dip. Int.
Dec. Asst.

Astronomy, v. Maths.

Biochemistry

..... Prof.
White, F. D., Ph.D. Edin.,
F.R.I.C., F.C.I.C. Asst. Prof.

Perry, W. F., B.Sc. McG., M.A.,
M D., C M. Qu. Biochemist.

Botany

Leach, W., B.Sc., M.Sc. Manc.,
Ph.D., D.Sc. Birm., F.R.S.C.
Prof

Lowe, C. W., M.Sc. Birm.
Assoc. Prof.

Carrick, J., B.Sc. Glas. Lectr.

Moir, D. R., B.Sc., M.Sc. Lectr.

Chemistry

Campbell, A. N., D.Sc. Aberd.,
M.Sc., Ph.D. Lond., F.R.I.C.,
F.R.S.C., F.C.I.C.

Hd. of Dept. and Prof.

Saunderson, H. H., Ph.D. McG.,
B.A., M.Sc., F.C.I.C.

Dean, Fac. of Arts and
Sci., Prof

Hiebert, P. G., M.A. Tor., M.Sc.,
Ph.D. McG., B.A., F.C.I.C.
Assoc. Prof.

Robinson, A. D., B.A., M.A. Sask.,
Ph D. Minn. Asst. Prof.

Charlesworth, E. H., M.A. Qu.,
D.Phil. Ox., F.C.I.C.

Asst. Prof.

Smith, N. O., Ph.D. New York,
M.Sc. Asst. Prof.

Stevenson, D. A. B., B.Sc., M.Sc.
Sask. Lectr.

Kirsch, M., B.Sc., Ph.D. McG.
Lectr.

Pritchard, M. E. J., B.Sc., M.Sc.
Lectr.

Dulmage, W. J., B.Sc. Lectr.

Loudfoot, J. H., B.Sc. Lectr.

Sukava, A. J., B.Sc. Lectr.

Lennox, C. S., B.Sc. Asst.

Winestock, G., B.Sc. Asst.

Classics

Johnson, Skuli, B.A., M.A. Prof.

Hugill, W. M., B.A. Tor., Ph D.
Chic. Assoc. Prof.

Berry, E. G., M.A. Qu., Ph D.
Chic. Asst. Prof.

Matuska, Milena, B.A. Tor. Lectr.

Commerce

Wagner, L. C., B.A., M.A. Minn.
Assoc. Prof.

Donaldson, G., M.A. Tor., B.Com.
Lectr.

Johnson, F. (Accounting) Lectr
Goldberg, S., M.A. Tor., B.Com.

Lectr.

Guy, R. O., Jr., B.A., LL B Lectr.

Tallin, C. K., B.A., LL B Lectr.

Cormode, H. C., B.Com. Asst.

Education

Woods, D. S., B.A. Qu., Ph.D.
Chic., M.A.

Dean of Fac., Prof

Moxon, Mary C., Ph.B. Chic., M.A.
Assoc. Prof.

Stein, H. L., Ph.D. Minn., B.A.,
M.A.

Engineering, Civil

Macdonald, A. E., M.Sc. McG.
Prof.

Herriot, G. H., B.Sc. Qu., D.M.
Prof.

Riddell, W. F., B.Sc., M.Sc.
Assoc. Prof.

Hoogstraten, J., M.Sc. Mich.,
B.Sc. (C.E.) Assoc. Prof.

Carlson, A. J., B.Sc. Qu., M.A.Sc.
Tor. Asst. Prof.

Magill, E. S., B.Sc. (C.E.)
Asst. Prof.

Larson, A. G., B.A. Sc. Br. Col.,
M.A.Sc. (C.E.) Asst. Prof.

Marantz, O., B.Sc. (C.E.) Lectr.

Boux, J. F., B.Sc. (C.E.) Lectr.

Dolphin, J. W., B.A.Sc. Br. Col.
Lectr.

Scott, W. M., B.A. Sc. McG
Lectr.

Morris, W. V., B.Sc. (C.E.) Lectr.

Borgford, S. J., B.Sc. (C.E.) Lectr.

Clark, R. H. Lectr.

Gawley, H. N., B.Sc. Sask. Lectr.

Hovey, C. M., B.Sc. (C.E.)
Sp. Lectr.

Engineering, Electrical

Fetherstonhaugh, E. P., M.C.,
B.Sc., D.Sc. McG., F.R.S.A.
Dean of Fac. Prof.

Dorsey, J. W., E.E. Lehigh
Assoc. Prof.

Love, E. R., B.Sc. (E.E.)
Assoc. Prof.

Williams, N. A., B.Sc. Qu.
Asst. Prof.

Wicks, S. G., B.Sc. (E.E.) Lectr.

Engineering, Mechanical

Hall, N. M., O.B.E., B.Sc. McG.
Prof.

Gates, F. R., B.E. Asst. Prof.

English

Wheeler, A. L., B.A. Br. Col.,
M.A. Tor., Ph.D. Wisc. Prof.

Watkins, J., M.A., Ph.D. Cornell
Assoc. Prof.

Asst. Professors

Hopper, C. R., M.C., B.A., M.A.

Argue, R. F., M.A.

Saunders, Doris B., B.Litt. Ox.,
M.A.

Ross, M. M., M.A. Tor., Ph.D.
Cornell.

Stobie, W. G., M.A. Tor.

Stobie, Margaret R., B.A. Alta.
and Lond., Ph.D. Tor.

Lecturers

Bayer, Mary E., B.A.

Davies, G. M., B.A.

Duncan, T. A. W., M.A.

Main, Margaret H., B.A.

McLellan, Lois, B.A.

Perkins, Mrs. Ruth E., B.A. Sask.

Thompson, L. E., B.A.

Turner, J. O. F., B.A.

Woodman, R. G., B.A. Br. Col.

Gutkin, Mildred S., M.A. Tor., B.A.
Asst.

French

Jones, C. Meredith, M.A. Wales,
D. de l'U. Paris Prof.

Richard, M. E. J., B.A. Alta., Dip.
École de Prep. Asst. Prof.

Carter, A. E., B.A. Br. Col., M.A.
McG. Asst. Prof.

Jensen, C. A., B.A. W. Ont., M.A.
Tor. Asst. Prof.

Lecturers

Sumi, Emily, B.A.

Laing, Mrs. G., B.A., Dipl. Sor-
bonne.

Bonin, V. A. J., B.A.

Bazin, C. L. ès L., Dip. d'Ét. Sup.

Geology and Mineralogy

Brownell, G. McL., Ph.D. Minn.,
M.Sc. Prof.

Leith, E. I., B.Sc., M.Sc.
Assoc. Prof.

Davies, J. F., B.Sc. Lectr.

Johnson, H. A. C., B.Sc. Lectr.

Robertson, D. S., B.Sc. Lectr.

German

Steinhauer, H., B.A., M.A., Ph.D.
Tor. Prof.

Stirk, S. D., M.A. Ox., D.Phil.
Breslau Assoc. Prof.

Heckscher, W. S., Ph.D. Hamburg
Asst. Prof.

Brock, Lenore, M.A. Chic., B.A.
Lectr.

Hammer, W. A. H., Ph.D. Chic.
Lectr.

Phillips, Isabel E., B.A., M.A.
W. Ont. Lectr.

History

Setton, K. M., A.B. Boston, A.M.,
Ph.D. Columbia Prof.

Morton, W. L., M.A., B.Litt. Ox.,
B.A. Assoc. Prof.

Glover, R., M.A. Ox. and Harv.,
Ph.D. Harv. Asst. Prof.

Webster, T. S., M.A. Qu. Lectr.

*Law, v. infra—Affiliated Colleges**Mathematics and Astronomy*

McEwen, W. H., B.Sc., M.Sc.
Sask., M.A., Ph.D. Minn. Prof.

Milne, T. H., M.A. Tor.
Assoc. Prof.

Lawson, J. W., M.A., Ph.D.
 Assoc. Prof.
 Shanklin, W. R., B.A., M.A. Mt. A.,
 M.A. (Ed.) Alta. Asst. Prof.
 Dulmage, L., M.A. Tor. Asst. Prof.
 Noonan, B., M.A. Tor., B.A. Lectr.
 Bishop, J. E., B.A. Mt. A. Lectr.
 Fleming, W., B.A. Sask., M.A.
 Minn. Lectr.
 Saddington, H. R., B.A. Sask.
 Lectr.

Medicine, v. infra

Music

Clare, Eva Director of Sch.
 Hunter, J., Mus.B. Roch.,
 F.A.A.R. Rome Assoc. Prof.

Oriental Languages and Literature

Graham, Rev. W. C., S.T.M., Ph.D.,
 D.D., F.R.S.C. Prof.
 Taylor, G. E., M.A., B.D.
 Asst. Prof.

Pharmacy and Pharmaceutical Chemistry

McDougall, D., M.Sc., F.C.I.C.
 Prof.
 Nash, C. W., B.Sc. Lectr.
 Marshall, T. A., B.Sc. (Phar.)
 Lectr.

Philosophy

Lodge, R. C., M.A. Ox. Prof.
 Sibley, W. M., M.A. Br. Col., Ph.D.
 Brown Asst. Prof.
 McBain, Marion, B.A. Asst.

Physics

Young, J. F. T., M.A., Ph.D. Tor.
 Prof.
 Whitmore, B. G., B.Sc. Lond.,
 M.A. Tor., Ph.D. Leipzig
 Asst. Prof.
 Macdonald, P. A., M.Sc., Ph.D.
 Asst. Prof.
 Neamtan, S. M., B.Sc., Ph.D.
 McG., M.A. Tor. Asst. Prof.

Lecturers

Lutz, B. C., B.A., M.A. W. Ont.
 Marshall, J. K., B.A., M.A. Br. Col.

Kettner, M. E., B.Sc.
 Greenwood, J. W., B.Sc.
 Jonasson, H. D., B.Sc.
 Markusson, G. L., B.Sc.
 Martin, M. C., B.Sc. St. F. X.
 Parkhurst, H. M., B.Sc.
 Smith, Mrs. May, M.A., Ph.D.
 Tor Asst

Physiology, v. Medicine

Political Economy and Political Science

Waines, W. J., M.A. (Pol. Ec.)
 Prof.
 Clokie, H. McD., M.A. Ox. (Gov-
 ernment) Prof.
 Easterbrook, W. T., M.A., Ph.D.
 Tor, B.A. (Pol. Ec.)
 Asst. Prof.

Sinclair, S., B.S.A., M.Sc. Sask.
 Asst. Prof.
 Shea, A. A. (Pol. Ec.) Asst. Prof.
 Graham, J. E. L., B.A. Tor. and
 Ox. (Pol. Ec.) Asst. Prof.
 Steinhorsen, D. H., B.A. Qu.
 Lectr.

Bellan, R., M.A. Tor., B.A. Lectr.
 Giffen, P. J., B.A. Lectr.

Psychology

Wright, H. W., B.A., Ph.D. Cor-
 nell Prof.
 Williams, D. C., M.A., Ph.D. Tor.,
 B.A. Assoc. Prof.
 Hogg, Shirley, B.A. Instr.

Zoology

Wardle, R. A., M.Sc. Manc.,
 F.R.S.C. Prof.
 McLeod, J. A., M.Sc., Ph.D.
 Assoc. Prof.
 Stewart-Hay, R. K., B.Sc., M.Sc.
 Lectr.
 Lysenko, M. G., B.A. Lectr.

Agriculture and Home Economics

Agricultural Engineering

Shanks, G. L., M.S. Iowa State
 Coll., B.S.A. Assoc. Prof.

Paterson, J. J., B.S.A., M.Sc.
Sask. Asst. Prof.

Animal Science

Wood, G. W., B.S.A. McG., M.S.
Wisc. Prof.
Brown, J. McC., B.S.A. Tor., M.S.
Minn. Assoc. Prof.
Hodgson, G. C., B.S.A., M.S.,
Dip.Ed. Assoc. Prof.
Kondra, P. A., B.S.A., M.Sc.
Asst. Prof.
Isa, J. M., D.V.M. Tor., B.S.A.,
M.Sc. Hon. Lectr.

Art, Clothing and Textiles

Aust, Lucille B., B.S. Wisc., M.S.
Minn. Asst. Prof.
Allen, Lillian B., B.A. Asst. Prof.
Watson, Kathleen T., B.Sc. (H.
Ec.) Lectr.
Eubank, Alice L., B.S. Iowa State
Coll. Lectr.
Biddick, Margaret A., B.Sc., M.S.
Wisc. Lectr.
Henderson, Mrs. Ethel
(Weaving) Instr.

Bacteriology and Animal Pathology

James, N., B.S.A. Tor., M.S.,
Ph.D. Iowa State Coll. Prof.
Savage, A., B.S.A. McG., D.V.M.
Corn. Prof.
Jamieson, M. C., B.S.A. Tor., M.Sc.
Asst. Prof.

Child Development and Household Management

McLaughlin, Florence, M.S. Iowa
State Coll., B.Sc. (H.Ec.)
Assoc. Prof.
Parrish, Patricia, B.Sc. (H.Ec.)
Asst.

Dairy Science

Brown, R. W., B.S.A. Tor., M.S.
Iowa State Coll. Prof.
Forster, T. L., M.S. Wisc., B.S.A.
Asst. Prof.

Krett, O. J., B.S.A. Lectr.

Education

Moxon, Mary C., Ph.B. Chic.,
M.A. Assoc. Prof.

Entomology

Mitchener, A. V., B.A. McM.,
B.S.A. Tor., M.Sc. Prof.
McLeod, W. S., B.Sc. Alta., M.Sc.
McG. Lectr.
Martin, E. C., B.S.A. Tor., M.Sc.
Cornell Hon. Lectr.
Lejeune, R. R., B.S.A., M.Sc.
Hon. Lectr.

Family and Institutional Administration

Hood, Grace G., B.S., M.A.
Columbia, Ph.D. Minn. Prof.
Saunders, Gladys, B.Sc. (H.Ec.)
Acad., M.A. Columbia
Asst. Prof.
Panton, Lenora Instr.
Brownlee, Beatrice K., B.Sc.
(H.Ec.) Instr.

Foods and Nutrition

Hiltz, Mary C., B.Sc. Col., M.A.
Tor. Assoc. Prof.
McMillan, A. May, B.Sc. Mt. All.,
M.A. Col. Lectr.
Warren, Margaret I., B.Sc. (H.
Ec.) Alta Lectr.

Plant Science

Olson, P. J., B.S. N. Dak., M.Sc.
Ill., Ph.D. Nebr. Prof.
Andersen, E. T., B.Sc., M.Sc. Alta.
Asst. Prof.
Helgason, S. B., B.S.A., M.S.
Asst. Prof.
Peterson, R. F., M.S., Ph.D. Minn.,
B.S.A. Hon. Lectr.

Soils

Ellis, J. H., M.S. Minn., B.S.A.
Prof

Medicine

(for subjects of first 2 yrs.—Anat.,
etc., v. *supra*)

Bacteriology and Immunology

Cadham, F. T., B.A., M.D.,
F.A.C.P., F.R.C.P.Can. Prof.
1 Demr.

Forensic Medicine

Duval, P. G., K.C., B.A., LL.B.
Sp Lectr.

Laryngology and Otology

Black, R., M.D. Prof.
2 Demrs.

Medical Research

Doupe, J., M.D. Director.

Medicine and Clinical Medicine

Adamson, J. D., B.A., M.D.,
F.R.C.P.Can Prof.

Mathers, A. T., M.D., C.M.,
F.R.C.P.Can. (Psychiatry),
Dean of Fac. Assoc. Prof

Bell, L. G., M.D. Assoc. Prof
Hossack, J. C., M.D., C.M.

Kitchen, H. D., M.M., M.D., C.M.
Asst. Prof.

McEachern, J., M.D. Tor. and
Manit., F.R.C.P.Can.

Warner, N.W., M.D., F.R.C.P.Can.
Asst. Prof.

Hollenberg, A., B.A., B.Sc., M.D.
Asst. Prof

McEwen, S. D., B.A., B.Sc., M.D.
Asst. Prof.

Lectrs. in Medicine

Adamson, G. L., M.D.

Allison, F. G., B.A., M.D.

Birt, A. R., M.D. (Dermatol.).

Brock, W. G., M.S. Minn., B.A.,
M.D.

Hollenberg, M. S., B.Sc., M.A.,
M.D.

McIntyre, Dugald, M.D.

Macpherson, R. A., M.D., C.M.
Qu. (Radiol.).

McEwen, S. D., B.A., B.Sc., M.D.
McInnes, J. S., M.D.

McMillan, J. C., M.D., F.A.C.P.,
F.R.C.P.Can (Roentgenol and
Electro-therapy)

Musgrove, W. M., M.D.

Mathewson, F. A. L., M.D.,
B.Sc. (Med.).

Pearlman, I., M.D.

Pincock, T. A., M.D. (Psychiatry).

Scott, D. L., M.D. (Tuberculosis).

Walton, C. H. A., E.D., M.Sc.,
M.D., F.A.C.P.

12 Demrs.

Obstetrics and Gynæcology

McGuinness, F. G., M.D., C.M.,
F.R.C.S.Can

Director of Dept. and Prof.
Best, B., M.D., F.R.C.S.Ed.

Black, Elinor, M.D. Lectr.

Abbott, W. F., M.C., B.A., M.D.,
C.M. (Gynæcol.) Asst. Prof

Lectrs. in Obstetrics

Blondal, A., M.D.

Guyot, H., B.A., M.D.

Kobrinsky S., M.D., F.R.I.P.H.

4 Demrs. (Obstet. and Gynæcol.)

Ophthalmology

Campbell, W. E., B.A., M.D. Prof.

Elvin, N. L., M.D. Lectr.
2 Demrs.

Pathology

Nicholson, D., M.D., C.M.

Director of Dept. and Prof.
Lederman, J. M., B.Sc. Sask,
M.D. Asst. Prof.

Williams, T. H., M.D., C.M.,
D.T.M. and H. Lond.

Asst. Prof.
Penner, D. W., B.A. Sask., M.D.

Lectr.
5 Demrs.

Pædiatrics

Chown, S. G., O.B.E., B.A., M.D.,
C.M. Qu., F.R.C.P.Can.

Director of Dept. and Prof.

Chown, H. B., M.C., B.A., M.D.
Lectr.
Popham, H. E., M.D.
Lectr.
Medovy, H., M.D.
Lectr.
2 Demrs.

Physiology and Pharmacology

Moorhouse, V. H. K., M.C., M.D.
Tor., F.R.S.C.
Director of Dept. and Prof.
Rice, H. V., M.D., Ph.D. Tor.
Assoc. Prof.
Ormerod, M. J., M.D. Tor.
Asst. Prof.
Bell, Helen J., M.A. Tor. Lectr.
1 Demr.

Social and Preventive Medicine

Jackson, F. W., M.D., D.P.H. Tor.
Prof.

Surgery

Thorlakson, P. H. T., M.D., C.M.,
F.R.C.S.Can. Prof.

Asst. Professors

Aikenhead, D. C., M.D. (Anæsth.).
Burns, C. W., B.A., M.D., C.M.,
F.A.C.S., F.R.C.S. Can.
Corrigan, C. E., B.A., M.D.,
F.R.C.S.

Fahrni, G. S., M.D., Ch.M.,
F.A.C.S., F.R.C.S. Can.
Morse, H. D., M.D., C.M. McG.,
F.R.C.S. Can. (Urol.).
MacCharles, M. R., M.D., C.M.,
F.R.C.S. Ed. and Can.

Lecturers

Abbott, A. C., B.A., M.D., C.M.,
F.R.C.S. Ed. and Can.
Burrell, R. O., M.D., Ch.M.,
F.R.C.S. Ed. and Can.
Cameron, H. F., M.D., F.R.C.S.
Ed.
James, E. S., M.D., F.R.C.S.
(Appl. Anat.).
McGibbon, K. C., M.B. Tor.
McInnes, J. S., M.D.
McIntyre, D. F., M.D., F.A.C.S.
Hillsman, J. B., M.D. Virginia and
Manit., Ch.M.
Perrin, M. B., M.D., F.R.C.S.
Ed.
Richardson, R. W., M.D., Ch.M.
Stewart, C. B., M.D., F.R.C.S.
Ed. (Urol.).
19 Demrs

Therapeutics, v. Medicine

AFFILIATED COLLEGES represented on the Senate, the first four having power to confer degrees in Divinity:

ST. BONIFACE COLLEGE, St. Boniface (R.C.). Rector—Rev. Louis Mailhot.

ST. JOHN'S COLLEGE, Winnipeg (C. of E.). Warden—Rev. Canon R. J. Pierce, B.A., B.D.

UNITED COLLEGE, Winnipeg (United Ch. of Canada). Principal—Rev. W. C. Graham, Ph.D., S.T.M., D.D., F.R.S.C.

ST. PAUL'S COLLEGE, Winnipeg (R.C.). Rector—Rev. Joseph P. Monaghan.

MANITOBA LAW SCHOOL, Winnipeg. Dean—G. P. R. Tallin, K.C., B.A., LL.B.

BRANDON COLLEGE, Brandon (Undenominational). President—J. R. C. Evans, M.A., Ph.D.

GENERAL INFORMATION

Established 1877, the Univ. was reconstituted in 1900 and 1917, and again in 1936. For early history, *see Yearbook* for 1929. The Univ. has the sole

power of conferring degrees in Arts, Science, Law, Med., Engin., Pharmacy, Agric., and Archit. in the province. It received in 1898 from the Dominion Govt. a land grant of 150,000 acres.

The buildings of the Junior Division in Arts and Sci. and the Med. buildings are in the city of Winnipeg, which, with adjacent municipalities, has a population of over 300,000. The site of the Senior Division in Arts and Sci., the Fac. of Agric. and Home Economics, the Fac. of Engin. and Archit., the Fac. of Education, the Graduate School of Social Work, and the Graduate School of Nursing, is in the municipality of Fort Garry, 7 miles from the centre of Winnipeg. The Univ. has 20 buildings on this site, including a University residence, the Manitoba Union, which has accommodation for 500 students. There are also on this site the Dominion Rust Research Laboratory, the Dominion Laboratory of Plant Pathology, the Dominion Laboratory of Entomology, and the Provincial Experimental Fur Farm.

UNIV. LIBRARY, 128,600 vols.; 917 periodicals received. There are also 30,250 mounted plates and photographs and 7579 slides in the Dept. of Architecture. The Med. College has a library of 15,034 vols., and receives 278 periodicals. LABORATORIES: Anat., Bact., Bot., Chem., Engin. (Material testing—200,000 lbs., Cement, Elect.), Geol. and Mineral., Path., Physics, Physiol., Zool. MUSEUMS: Anat., Embry., Bot., Geol., Path. HOSPITALS available for clinics: 2 general (1000 beds) and several special, including tuberculosis. FARM (1000 acres).

FACULTIES. (1) An Arts and Science Faculty providing instruction in all subjects of undergraduate courses in Arts (except 6 options and the Latin Philosophy course for French-speaking students of St. Boniface College), Science, Pharmacy and Commerce. (2) Medicine. (3) Engineering, Archit. and Interior Decoration. (4) Agriculture and Home Economics. (5) Education. Other subjects of Arts course are taught in the affiliated Colls. Law is taught in the Manitoba Law School, which is under the direction of trustees jointly appointed by the Univ. and the Law Society of Manitoba. Public Health Nursing and Teaching and Supervision in Schools of Nursing are taught to graduate nurses in the Graduate School of Nursing, directed by the Univ. and financed by the Provincial Department of Health and Public Welfare. Academic and clinical training of social workers is carried on in the Graduate School of Social Work.

MATRICULATION examn. is conducted in June by the Examn. Board of Manitoba, also a limited Matricn. in Sept. Satisfactory completion of Grades IX., X. and XI. of the Matricn. course of the Dept. of Educ. is required. Matricn. subjects for Arts or Sci. courses: English, Maths., Social Studies, 3 units of science (Genl. Sci. and two of Biol., Physics, Chem.), and at least one elective from the following: a second for. lang., a fourth science, Music, Home Econ., Industrial Arts, Comm. work. With a second for. lang. or music—when carried for at least 2 yrs. of High Sch.—only 2 units of science are required (Genl. Sci. and either Physics or Chem.). Matricn. may also be obtained with a third for. lang., the only science requirement being Genl. Sci. Exemption from examination is allowed in the subjects of Grades IX. and X. Matricn. to pupils of the Collegiate Institutes of the province, or of the Preparatory Schools in connexion with the affiliated Colleges, who are recommended for such exemption by their school principals, and also exemption from examn. in the subjects of Grade XI. Matricn. (Arts and Sci.) to recommended pupils of approved schools under certain conditions. Entrance requirements for Medicine are clear standing of two pre-medical years in Arts and Science; for Law, of 2nd year in Arts; for Engineering, standing of one pre-engineering

year in Arts and Science, and for Architecture, one pre-architectural year in Arts and Science. Members of any British or approved Univ. may be admitted *ad eundem statum* or *gradum* without Entrance examn.

DEGREE COURSES. 4 yrs.—B.A., B.Sc., B.Sc. (C.E., M.E., or E.E.), B.Arch., LL.B., B.S.A., B.Sc. (H.Ec.), B.Com.; 5 yrs., following 2 pre-medical yrs.—M.D.; 5 yrs.—B.A. (Hons.), B.Sc. (Hons.), B.Com. (Hons.); 3 yrs. following 1 yr. in Arts and Science—B.Sc. (Phar.). Graduates in Med. of at least 2 yrs.' standing with certain prescribed training and experience may obtain Ch.M. on passing written, oral and practical examn., and presenting a satisfactory thesis. A course involving research and governed by spec. regns. leads to the degree of B.Sc. (Med.), to M.Sc. (Med.), and to Ph.D. M.A., M.Sc., M.Arch., 1 or 2 yrs.' postgraduate course. B.Ed., 2 yrs.' postgraduate course; M.Ed., 1 yr. after B.Ed.

A UNIT SYSTEM has been adopted in the Arts and Science Faculty, the unit being "a body of work to which is assigned for instructional purposes one hour of lecture or other class-room exercise per week or one continuous laboratory period of 2 or 3 hours per week, throughout an entire session, or the equivalent." 40 units of credit in the "Junior Division" (work normally done in first two sessions) and 32 in the Senior General Division (for Honours, 48 in the Senior Honours Division) are required for the degree. Subjects are placed in groups, from each of which selection is made in accordance with definite regulations. For the B.A.—English (1 yr.), a foreign language (2 yrs.), Maths. (1 yr.), and a second yr. of English or a second foreign language are compulsory.

The M.A. may be obtained by candidates possessing the Honours B.A. of Manitoba, or an equivalent degree, by an extra year of full-time study under the direction of a committee of instructors. Candidates for the M.A. possessing the General Course B.A. of Man., or an equivalent degree, must first obtain 16 units of credit in Honours Courses. A thesis is required as well as examn.

The M.Sc. requirements are at least one yr.'s grad. work in one or more of the Sc. depts. of the Univ. (incl. Maths.) or in the dept. of Civil Engin. or that of Elect. Engin., or in the Fac. of Agric. and Home Econ., an examn. and a thesis. Candidates for the M.Sc. possessing the General Course B.Sc. of Man., or an equivalent degree, must first obtain 16 units of credit in Honours Courses. While taking the LL.B. course a student may simultaneously obtain the Law Society's qualification for practice. The LL.D. is honorary.

In the B.Sc. Engin. courses a thesis is required in the 4th yr. A summer thesis may be presented for credit by students entering the 2nd, 3rd or 4th yr.

Two yrs.' service in an Architect's office following graduation (B.Arch.) will qualify for licence to practise.

DIPLOMAS. Agriculture (2 yrs.); Interior Decoration (3 yrs.); Dairying (3 mos.); Education (1 yr. postgrad.); School of Nursing (1 yr.); School of Social Work (1 yr.).

The Univ. conducts examns. for admission to the Man. Assoc. of Registered Nurses, to the practice of Dentistry and membership of the Man. Dental Assoc., to the practice of Accountancy and membership of the Inst. C.A. of Manitoba, to the practice of Architecture and membership of the Man. Association of Archts.

MUSIC. The Univ. conducts examns. in all grades of vocal and instrumental music (Piano, Organ, Violin, Viola, Violoncello) and musical theory and history leading to the diploma of Assoc. in Music, Man. (A.M.M.). Holders of the A.M.M. or equivalent standing may obtain the Licentiate'ship dipl. on passing an advanced practical examn. Music may be offered as an elective for Matricn.

if carried for 2 or 3 yrs. in High School and at least the prescribed minimum grade is attained. It is also an elective in the Junior Division in Arts and in the second year in Home Econ. Instruction must be obtained from private teachers.

Examns. are based on a syllabus of the Western Board of Music, composed of representatives of the Universities and Depts. of Educ. of Manitoba, Saskatchewan and Alberta.

FEES. Tuition and examn. in Arts and Sc., \$150 p.a. in Junr. Divn., \$160 p.a. in Senr. Divn.; Engin. and Arch., \$220, Phm., \$198; Med., 1st, 2nd, 3rd, and 4th yrs., \$396, 5th yr., \$85; Law, \$150. Licence to practise Med., \$100. Agrl. Dipl. course, \$38, Degree course, \$135 (1st and 2nd yrs.) and \$160 (3rd and 4th yrs.).

SCHOLARSHIPS for graduates: 2 Travelling Fellowships, each \$400, offered each yr.: one to a graduate in Arts, and, in alternate years, one in Science and one in Engineering, tenable at some other seat of learning. Boyd Travelling Fellowship, \$400, is c. to Masters of Educ.

RESIDENCE. Host t all affiliated Arts Colls. and at the Fort Garry site. Approx. cost of board and room for academic year, \$280.

UNIVERSITY EXTENSION. (1) Institute Evening courses of a cultural character. (2) Winter Evening Business courses in Acctcy., Comm. Law, English, Pol. Econ., etc., given partly by members of regular Univ. staff. (3) Radio popular lectures and broadcasts of music chosen from the Music Syllabus. (4) Short courses in Farm Equipment Repairing, Bee-keeping, Dairying, Poultry, Home Vegetables and Fruit Growing, Home Grounds Beautification and Flower Growing, Fur Farming, Field Crops, Nutrition and Diseases of Farm Animals. (5) February series of popular lectures. (6) Programme of Adult Education in Fine Arts in rural communities of the Province. (7) *Summer School*—6 wks. in July and Aug. Courses for Teacher Training, and in Grade XI., Grade XII. and Arts and Sci. subjs. (8) Workers' Educational Assoc. classes. (9) Extension Service in Agric. and Home Econ. through correspondence, lectures, judging, bulletins, etc. (10) Dept. of Music Extension, under a Director of Music.

EXTRA-MURAL WORK. Correspondence courses carrying degree credit are offered in certain subjects of the Second Year in Arts. Only one 4-unit course or its equivalent may be taken in any one regular session. No other extra-mural work permitted.

PUBLICATIONS. *General Calendar* (May), free; *Manitoban* (students' paper), bi-weekly; *Annual Report*; *Historical Notes* (1877-1917); *Inaugural and Convocation Addresses*; *List of Faculty Publications*; *University Bulletin and Alumni Journal*, quarterly.

THE YEAR 1946-47

BENEFACTIONS. \$10,000 voted by Legislature for 40 scholps. in Arts, Sci., Comm., Agric. and Home Econ., which were increased to \$325 each by Univ., for students resident outside Winnipeg or Brandon, and \$800 for 8 scholps., which were increased to \$135 each by Univ., for students resident in Winnipeg and Brandon; \$12,000 voted by Legislature for six scholarships tenable by students from rural Manitoba in the course in Medicine; J. T. Boyd, Travelling Fellowship in Education of \$400 p.a.; H. E. Sellers, 10 scholps. of \$100 each in Arts; H. M. Tucker, 5 scholps. of \$200 each in Science for Man. students residing outside Winnipeg; Dom. and Man. Governments, under Youth

Training Programme, \$5000 for scholps. for students in degree courses, and \$9000 for scholps. for 50 students for short courses in Agric. and Homemaking; Winnipeg Kiwanis Club Scholarship in Agriculture; United Grain Growers Ltd., 2 scholps. of \$100 p.a. each in Agric. and Home Econ.; Assoc. of Professional Engineers of Man., 2 scholps. of \$100 p.a. each; United Grain Growers Ltd., \$1000, Canada Malting Co. Ltd., \$600, Dom. Malting Co. Ltd., \$400, for research in barley breeding; Man. Govt., \$2000 for research in barley breeding and in seed setting in alfalfa; Dom. Govt., \$12,200 for soil research. A number of gifts to the Library from Ft. William Public Library, Govt. of France, Carnegie Endowment for International Peace, Carnegie Institution of Washington, Prof. J. A. Russell, Home Econ. Student Body and others; Man. Institute for Advancement of Medical Educ. and Research, 2 scholps. p.a. for medical undergraduates, of \$750 each; Man. Brewers and Hotelkeepers, 30 entrance scholps. totalling \$15,000 p.a.; Kiwanis Club of St. Boniface, 3 entrance scholps. of \$270; Dayton Outfitting Co., 1 scholp. p.a. of \$100 in Geology; Hudson Bay Mining and Smelting Co., Ltd., 1 scholp. of \$500 p.a. for 4 yrs. in Engineering; Metropolitan Choir of Winnipeg, 1 scholp. p.a. of \$100 in Arts or Sci.; Nat. Council of Jewish Juniors of Canada, 1 scholp. p.a. for 2 yrs., of \$250 in Graduate courses in Social Work; Green, Blankstein and Russell, Architects, a scholp. p.a. of \$200 in Architecture; Hobbs Glass Co. of London, 1 scholp. p.a. of \$205 in Architecture; P.E.O. Sisterhood, 1 scholp. p.a. of \$100 in Arts (Women only); Winnipeg Electric Co., 1 scholp. p.a. of \$200 in Actuarial Sci.; Delta Delta Delta Sorority, 3 scholps. p.a. of \$100 (Women students in any Fac.); Sir Rodmond Roblin Chapter, I.O.D.E., 1 scholp. p.a. of \$100 in Agriculture; W. J. Dickson, Esq., 1 scholp. p.a. of \$200 in Actuarial Sci.; Man. Pharmaceutical Assoc., 1 scholp. p.a. of \$100 in Pharmacy, T. Eaton Co., Ltd., 1 scholp. p.a. of \$205 in Archt., and 1 scholp. p.a. of \$165 in Interior Decoration; Margaret Scott Nursing Mission, 1 scholp. p.a. of \$200 in Nursing Education; Canadian Foundation for the Advancement of Pharmacy, 2 scholps. p.a. of \$100 ea. in Pharmacy; Winnipeg Alumnae Club of Pi Beta Phi Fraternity, 1 scholp. p.a. of \$100 in Home Economics; Univ. of Manitoba Actuarial Alumni, \$500 p.a. in bursaries for 5 yrs. Various smaller donations for the maintenance of scholps. and prizes.

NEW DEVELOPMENTS. Erection of 30 additional Temporary Housing Units to accommodate married war veteran students.

RETIREMENT. Prof. R. C. Lodge (Logic).

RESIGNATIONS. V. A. J. Bonn, Lectr. (French); C. J. Boyer, Asst. (Dairy Sci.); E. Braun, Lectr. (Entomol.); W. Briggs, Asst. (Philos.); Lenore Brock, Lectr. (German); W. J. Dulmage, Lectr. (Chem.); Hunter Johnson, Assoc. Prof. (Music); B. C. Lutz, Lectr. (Physics); Grace K. Nicholls, Supt. (Social Work); H. H. Saunderson, Dean (Chem.); D. H. Steinthorson, Lectr. (Pol. Econ.); L. C. Wagner, Assoc. Prof. (Comm.).

DEATHS. W. A. Anderson, Assoc. Prof. of Physics; Eleanor G. McFadden, Assoc. Prof. of Art, Clothing and Textiles.

HONORARY DEGREES. LL.D.—Henry Percy Armes, Dean of the Univ.; Hon. Hjalmar August Bergman, Judge of The Manitoba Court of Appeal; Edward Phillips Fetherstonhaugh, Dean of the Fac. of Engin. and Archt.; Mrs. Mary Speechly; Llewellyn James Reycraft; Walter Alexander Riddell; Stuart Sinclair Garson, Premier of the Province of Manitoba; Harold Adams Innis, Prof. of Political Economy, Univ. of Toronto; Frank Leith Skinner, Agriculturalist.

STUDENTS. No. registered in regular courses, 6491 ; Extension, 2413 ; Correspondence, 66 ; Summer School, 610.

DEGREES. B.A., 171 ; M.A., 4 ; LL.B., 15 ; B.Sc., 85 ; B.Sc. (H.Ec.), 66 ; B.Sc. (C.E.), 26 ; B.Sc. (E.E.), 37 ; M.Sc., 9 ; M.D., 63 ; B.S.A., 16 ; B.Arch., 9 ; B.Ed., 24 ; M.Ed., 3 ; Ch.M., 4 ; B.Sc. (Pharm.), 5 ; B.Com., 23.

DIPLOMAS. Agriculture, 57 ; Dairying, 25 ; Education, 34 ; Interior Decoration, 13 ; Social Work, 21 ; Associate in Music, 8 ; Licentiate in Music, 2.

CERTIFICATES. Nursing Education, 32.

MONTREAL UNIVERSITY

Founded 1878

Address—2900 Mount-Royal Blvd., Montreal, 26.

CHANCELLOR—S G. Mgr. JOSEPH CHARBONNEAU, Archbishop of Montreal.

RECTOR—Mgr. OLIVIER MAURALT, p.S.S., P.D., D.C.L.

PRESIDENT—.....

PRESIDENT OF THE EXECUTIVE COMMITTEE—The Hon. ALPHONSE RAYMOND.

VICE-RECTOR—Canon GEORGES DENIGER.

SECRETARY-GENERAL AND DIRECTOR OF EXTRA-MURAL RELATIONS—
E. MONTPETIT, B.A., LL.D., K.C., D.S.P. Paris, membre de l'Ac.
roy. lang. et litt. françaises de Belgique, Chev. O. Léop., O. Lég. d'H

TREASURER—LOUIS CASAUBON.

LIBRARIAN—RAYMOND TANGHE, Dipl. S.P.

TEACHING STAFF

Agriculture, v. *infra* Affiliated
Instns.

Anatomy (normal)

Delage, J.-B., M.D. Prof.

Coutu, A., M.D. Asst. Prof.

Anatomy (pathological)

Masson, P., M.D. Paris Prof.

Simard, L. C., M.D. Asst. Prof.

Manseau, G., M.D. Asst. Prof.

Riopelle, J.-L., M.D. Asst. Prof.

Applied Science, v. *infra* Affiliated
Instns.

Art, History of

Gauvdreau, J. M., Dipl. S.P. Prof.

Biology

Préfontaine, G., L.Sc., M.D. Prof.

Dansereau, P., B.Sc., D.Sc.

Genève Asst. Prof.

Bellemare, E. R., L.Sc.Nat.

Asst. Prof.

Fournier, Abbé O. Lectr.

Prévost, Gustave, L.Sc. Lectr.

Chagnon, G. Lectr.

Botany

Prat, H., D.Sc. Paris Prof.

Rousseau, J., Ph.D. Lectr.

Brunel, J., L.Sc. Lectr.

Gauthier, R., L.Sc. Lectr.

Canadian Literature

Sideleau, Canon A, L.Lett. Paris

Dean and Prof.

Chemistry, v. also *infra* Pure
Science and Affiliated Instns.

Baril, G. H., M.D. Dean and Prof.

Nadeau, H., L.Sc. Paris Asst. Prof.

Flahault, J., L.Sc. Lille Asst. Prof.

Cartier, P., L.Sc. Asst. Prof.

Barré, R., D.Sc. Paris Asst. Prof.

Labarre, J., D.Sc. Paris Asst. Prof.

Lortie, L., D.Sc. Paris Asst. Prof.

Lemay, L., M.Sc. Asst. Prof.

Cartier, C., L.Sc. Asst. Prof.

Lamontagne, R., L.Sc. Asst. Prof.

Montpetit, P., L.Sc. Asst. Prof.

Piché, L., M.Sc. Asst. Prof.

Bouthiller, L. P., M.Sc. Asst. Prof.

- Classics*
 Soffray, R. F. M., D Lett (Greek) Asst. Prof.
Commerce, v. *infra* Affiliated Instns.
Dentistry, v. *infra*
Economics, v. *infra* Soc. Sciences, School of
Engineering, v. *infra* Affiliated Instns.
English Literature
 Atherton, W. H., M A, Ph D., LL.D., D.L. Prof
French Literature
 Sideleau, Canon A., L.Lett. Paris Prof.
Geography
 Dagenais, P., L.Sc. Com. Prof.
Geology
 Morin, Père L., L Sc. Prof.
History
 Groulx, Abbé L, LL.D. Ott., M.A., D Th, D Ph.
 (Canadian H.) Prof.
 Frégault, G., Ph.D. Prof.
 Papillon, Rev. Father, M.A., D.Th. Lectr.
 Ristelhueber, Dipl. S.P. Paris Lectr.
 Bernard, Frère A. (H. of Acadia) Asst Prof.
 Nadeau, J. M., LL.L., L.S.P. (Gen. H.) Asst Prof.
Journalism, v. *infra* Social Sciences, School of
Law, v. *infra*
Mathematics
 Gauthier, A., L Sc. Prof.
 Beaupré, V E., B.A., I.C. Asst. Prof.
 Grégoire, L, L.Sc. Asst. Prof.
Medicine, v. *infra*
Mineralogy, v. *infra* Affiliated Instns.
- Modern Languages* (German, Spanish, and Italian)
 Jasmin, Abbé H., D Ph, D Th., L.E S., M.A Prof
Music, v. *infra* Attached Instns
Philosophy
 Forest, T. R. P C., S.Th.M. Dean and Prof.
 Gauthier, Abbé O., D Th., D.Ph. Prof.
 Voyer, R. M, S Th.L. Prof.
 Fafard, L., D.Th., D Ph Prof.
 Perrier, Abbé A., D.Th., D Ph. Prof.
 Régis, T.R.P.L.-M., S.Th.L. Prof.
 Mailloux, R P. N., S.Th.L. Prof.
 Blais, R P. Hervé, D.Th. Prof.
 Jasmin, D., B.A., LL.D., D.Ph. Asst. Prof.
 Lussier, Abbé Irénée Asst Prof.
 Filon, E., D Ph Asst. Prof.
 Peghaire, J., D.Th, D.Ph. Asst. Prof.
 Lachance, T.R.P L., S Th.M. Asst. Prof.
 De Koninck, C., D.Ph. Louvain Asst. Prof.
- Physics*
 Rouault, M., L.Sc., D.Sc. Paris Prof.
 Demers, J., L.Sc. Asst. Prof.
 Dufresne, O., B.A., M.D. Asst. Prof.
 Rinfret, M., L.Sc. Asst. Prof.
 Robillard, Abbé H. B. A., L Sc. Asst Prof.
- Physiology*
 Robillard, E, M.D. Asst. Prof.
 Gagnon, A., M.D. Asst. Prof.
 Gosselin, G., M.D. Asst. Prof.
- Theology*
 Professors
 Ferland, A., D.Th. Dean.
 Charron, Y., D.Th.

Lesieur, R., D.Th.
 Dupaigne, P.
 Belcourt, E., D.Th.
 Desrosiers, J.-B., D.Th.
 Bissonnette, R., D.Th.
 Duhamel, R.
 Morin, C.
 Malo, Père A.
 Paradis, F.
 Fecteau, R.
 Gagnon, E.
 Bourque, E.
 Chataoui, Mgr. M.
 Bolté, P.-E.
 Villeneuve, R.P. Victor.
 Sanschagrin, R.P. Albert.
 Lacombe, M.
 Dubeau, A.
 Sauvé, I.
 Yelle, G.
 Derome, L.

Hygiene, School of

Frappier, A., M.D. Director.

Law

Baudouin, G., LL.D. Prof.

Administrative and Munic. L.

Brunet, R., LL.D. Lectr.

Aerial L.

Casgrain, J., LL.L., Ph.D. Prof.

Civil L.

Beaulieu, E., LL.D., K.C.

Dean and Prof.

Caron, M., LL.D. Prof.

Loranger, Hon. L., LL.D. Prof.

Civil Procedure

Genest, R., LL.D. Prof.

Commercial and Marit. L.

Perrault, J., LL.D. Prof.

Constitutional L.

Bissonnette, Hon. B., LL.L. Asst. Prof.

Criminal L.

Lagarde, Irénée, LL.L. Lectr.

Finance, Comml. & Indust. L.

Faribault, M., LL.D. Prof.

Poirier, E., LL.L. Asst. Prof.

Gérin-Lajoie, A., LL.D. Asst. Prof.

Hist. of Law

Gérin-Lajoie, A., LL.D. Asst. Prof.

Internat. L.

MacKay, H., LL.D. Asst. Prof.

Notarial Procedure

Faribault, M., LL.D. Prof.

Roman L.

Caron, M., LL.D. Prof.

Social Sciences, Economics

Montpetit, E., LL.D. Prof.

Medicine

(for subjects of the first 2 yrs.—
 Anat., etc., v. *supra*)

Bacteriology

Frappier, A., M.D. Asst. Prof.

Denis, J., M.D. Asst. Prof.

Bertrand, A., M.D. Asst. Prof.

Gauthier, P.-P., M.D. Asst. Prof.

Chemistry, Physiological

Baril, G.-H., M.D. Prof.

Gosselin, G., M.D. Asst. Prof.

Contagious Diseases

Leduc, J., M.D. Prof.

Deontology

Dubé, E., M.D. Dean and Prof.

Dermatology and Syphilis

Marin, A., M.D. Prof.

Diseases of Children

Lapierre, G., M.D. Asst. Prof.

Baril, H., M.D. Asst. Prof.

Coutu, L., M.D. Asst. Prof.

Gynæcology, v. Obstetrics and Gynæcology

Histology and Embryology

Bonin, W., M.D. Prof.

Belanger, R., M.D. Asst. Prof.

History of Medicine

Panneton, P, M.D. Prof.

Hygiene

Baudouin, J. A, M.D. Prof.

Groulx, A, M.D. Asst. Prof.

Legal Medicine

Fontaine, R., M.D. Prof.

Materia Medica

Dufresne, R., M.D. Asst. Prof.

Medical Ethics

Bouvier, R P. L. Asst Prof

Medical Physics

Dufresne, O, M.D. Asst. Prof.

Demers, J, L.Sc. Asst. Prof.

Medicine, Clinical

De Guise, A, M D Asst. Prof.

Lebel, H., M.D. Asst. Prof

Gatien, R., M.D. Asst. Prof.

Legendre, J. H., M.D. Asst Prof.

Pepin, J. R., M.D. Prof.

Robichaud, P.-A., M.D. Asst. Prof.

Hamel, G, M.D. Asst. Prof.

Rouleau, A, M D. Asst. Prof.

Gariépy, L H., M D. Asst. Prof.

Mental and Nervous Diseases

Legrand, E., M.D. Prof.

Noël, O, M D. Asst. Prof.

Amyot, R., M.D. Asst. Prof.

Larivière, P., M.D. Asst. Prof.

Neurology

Amyot, R., M.D. Asst. Prof.

Saucier, J., M.D. Asst. Prof.

Langlois, C., M.D. Asst Prof.

Obstetrics and Gynæcology

Gérin-Lajoie, L, M.D (Gynæcol.) Prof.

Sanche, H, M.D. (Clin. O.) Prof.

Ricard, A., M.D. (Obstet.) Asst. Prof.

Marion, D., M.D. (Obstet.) Asst. Prof.

Magnan, A., M.D. (Clin. G.) Asst. Prof.

Magnan, A., M.D. (Clin. G.) Asst. Prof.

Ophthalmology, Otolaryngology and Rhinology

Panneton, P., M.D. Prof.

Badeaux, F., M D. Prof.

Brault, J., M D Asst. Prof.

Orthopædics, Clinical

Dubé, E., M D Prof.

Cabana, J.-E, M.D. Asst. Prof.

Rivard, J -H., M.D. Asst Prof.

Crépault, P.-Z, M D. Asst. Prof.

Pathology, v. also Med., Clin.

Boucher, R., M.D. Prof.

De Guise, A., M.D. Prof.

Hebert, C., M.D. Asst. Prof.

Pædiatrics, v. also Orthopædics and Diseases of Children

Lapierre, G, M.D. Prof.

Pharmacology and Therapeutics

Riopel, P., M.D. Asst. Prof.

Pharmacy, v. infra School of Pharmisotherapy

Jarry, J.-A., M.D. Prof.

Verschelden, L, M.D. Asst Prof.

Vidal, J.-A., M.D. Asst. Prof.

Cholette, A.-M., M.D. Asst Prof.

Deshaies, G, M.D. Asst. Prof.

Manseau, G., M.D. Asst. Prof.

Hébert, F., M.D. Asst. Prof.

Radiology, etc.

Comtois, A., M.D. Asst. Prof.

Langlois, C, M.D. Asst. Prof.

Jutras, A., M.D. Asst Prof.

Surgery, Clinical, v also Pathol.

Hingston, D. A., M.D. Prof.

Gariépy, U., M.D. Prof.

Paré, A., M.D. Asst. Prof.

Bellerose, A., M.D. Asst. Prof.

Hébert, C., M.D. Asst. Prof.

Dionne, L.-R., M.D. Asst. Prof.

Trottier, F., M.D. (Clin.) Asst. Prof.

Surgery, Operative

Gariépy, U., M.D. Prof.

Bruneau, J., M.D. Asst. Prof.

Bernard, L., M.D. Asst. Prof.

Dionne, L.-R., M.D.	Asst. Prof.	Papineau, Y.
Tremblay, J.	Asst. Prof.	Raymond, L.-P.
<i>Toxicology</i>		Rochon, J.
Fontaine, R., M.D.	Prof	Saint-Charles, J.
Roussel, J. M., M.D.	Asst. Prof.	Thuot, J.-M.

Urology, Clinical
Bourgeois, P., M.D.

Prof.

Pharmacy

v. also *supra* Chemistry

Dentistry

Professors

Charron, E. H., D.D.S.
Lantier, J. P., D.D.S.
Geoffrion, P., D.D.S.
Baril, G. H., M.D.
Renaud, J. A., D.D.S.
Charpentier, J. L., D.D.S.
Poitras, P. E.
Gauthier, G., D.D.S.
Bonin, W., M.D.
Marin, A., M.D.
Masson, P., M.D.
Préfontaine, G., M.D.

Assistant Professors

Archambault, C., D.D.S.
Bélanger, R., M.D.
Chaput, G., M.D.
Charland, G., D.D.S.
Demers, J., D.D.S.
Dupras, G., D.D.S.
L'Archevêque, A., D.D.S.

Dean.

Professors

Larose, A.-F., B.Ph.M. Dean
Barré, R., D.Sc. Paris.
Flahault, J., L.S. Lille (Chem.)
Labarre, J., D.Sc. Paris.
Baudouin, J. A., M.D.
Pilon, H. J., L.Ph.M.
Lalonde, H., B.Ph.M.
Larose, R., B.Ph.M.
Riopel, P. E., B.Ph.M.
Houle, L., B.Ph.M.
Dostert, R., B.Ph.M.

Pure Science (for subjects and
other Professors, etc. v. *supra*
Biology, Botany, Chemistry,
etc.)

Baril, G. H., M.D. Dean.
Rousseau, J., L.Sc.nat.
Bélair, R., L.Sc. chim. et phys.
Robillard, Eugène, M.D.
Préfontaine, G., L.Sc., M.D.

Optometry

Mignot, A., O.D. Director.
Baril, G., M.D.
Bourcier, C.
Côté, E.-H.
Demers, J.
Gauthier, A.
Gardner, G.
Hébert, J. L.
Lemay, L.
Lussier, E.
Lussier, P. C.
Messier, J. A., O.D.
Monette, G.
Monfette, G.
Neilson, J.

Social Science

v. also *supra* Hist. and Law

Economics and Politics

Montpetit, E., K.C., LL.D. (Econ.)
Dean.
Forest, Père C. (Soc. Philos.).
Vanier, G., LL.L. (Econ. Pol.).
Bruchési, J. (Foreign Pol.).
Bruchési, Émile (Pol. Sc.).
Baudouin, J. A., M.D. (Hygiene).
Vézina, F. (Publ. Fin.).
Tessier - Lavigne, Y. (Human
Geog.).
Saint-Pierre, A. (Sociology).

Gouin, L.-M. (Indust. Law and Hist of Econ.).	<i>Journalism</i>
Brossard, R., LL.L. (Indust. Law).	Sauriol, P., L.S.P (Redaction and Admin).
Désy, A. (Hist. of Econ. Doc.).	Fauteux, N. (Hist of J.).
Nadeau, Jean-Marie (Econ Policy).	Leduc, A. (Law of J.).

AFFILIATED INSTITUTIONS

AGRICULTURAL INSTITUTE at Oka, about 30 miles from Montreal, founded 1893 by the Trappist Fathers of Oka. *Director*, le R.P. Norbert, L.S.A. 36 other staff for: Agr. Botany; Animal Biology and Hygiene; Animal Pathol. and Bact.; Apiculture; Aviculture; Buildings and Accounts; Chemistry, Geol. and Mineral.; Dairying; Entomol.; Food Preservation; French Fruit and Flower Gardening; Kitchen Gardening; Large-scale Farming and Machinery; Maths.; Physics; Physiol.; Phytopathol. and Entomol.; Polit. Econ.; Soils; Rural Econ., etc.

COMMERCE. École des hautes études commerciales. Created by the Provincial Govt in 1907. *Director*, Prof. Esdras Minville. 21 other Profs., 14 Asst. Profs. for: Accountancy; Banking; Customs Legislation; Economics; English; French; Geography; Geog., Economic; German; History; Insurance; Italian; Law, Comm. and Indust; Maths.; Philosophy; Physics; Publicity; Spanish, etc.

APPLIED SCIENCE, including Engineering. The École Polytechnique, which was founded in 1874, is subsidized by the Govt. of the Province of Quebec and the principal Railways of the Dominion. *Principal*, A Frigon. *Director*, Ignace Brouillet. 26 Profs., 8 Asst. Profs. for: Architecture; Chemistry; Electricity; Electro-technics; Engineering—Civil, Elect., Mech., and Sanit.; Geology; Geometry; Graphical Statistics; Industrial Chem.; Industrial Legislation; Machine Drawing; Maths.; Mineral.; Physics; Public Works; Railways; Strength of Materials; Thermodynamics.

ENSEIGNEMENT SECONDAIRE OU CLASSIQUE. 22 Colleges for boys are affiliated to the Univ. under conditions providing for a 4 yrs.' High School course followed by a 4 yrs.' Coll. or Arts course, on the completion of which a student may qualify by examn. for a diploma admitting him to professional studies in the Univ. The Collège Marguerite Bourgeoys and six other colleges provide similar College or Arts course for girls.

INSTITUT D'ENSEIGNEMENT MODERNE ET DE PÉDAGOGIE.

INSTITUT PÉDAGOGIQUE POUR LES FEMMES. *Directress*, Sœur Sainte-Théophanie.

INSTITUT PÉDAGOGIQUE ST. GEORGES POUR LES HOMMES, founded 1929. *Director*, R. F. Luc.

INSTITUT MARGUERITE D'YOUVILLE, École Supérieure pour garde-malades. *Directress*, Sœur Denise le Febvre.

ÉCOLE SUPÉRIEURE DE PÉDAGOGIE FAMILIALE ET D'ENSEIGNEMENT MÉNAGER. *Directress*, Sœur Marie-Donalda.

ATTACHED INSTITUTIONS (ÉCOLES ANNEXÉES)

ÉCOLE DE MUSIQUE RELIGIEUSE (Schola Cantorum). *Director*, Jean Charbonneau. 9 other teachers.

INSTITUT MUSICAL DU CANADA. *Director*, Jean Charbonneau. 13 other teachers.

CONSERVATOIRE NATIONAL DE MUSIQUE. *Director*, E. Lapierre. 15 other teachers.

INSTITUT NAZARETH ÉCOLE DE MUSIQUE. *Directress*, Sœur Laurette Sousancy. 10 other teachers.

ÉCOLE SUPÉRIEURE DE MUSIQUE DE L'INSTITUT DES SS. NN. DE JÉSUS ET DE MARIE. *Directress*, Sœur Marie-Stéphane. 22 other teachers.

ÉCOLE SUPÉRIEURE DE MUSIQUE DE L'INSTITUT DES SŒURS DE STE.-ANNE. *Directress*, Sœur Marie-Héloïse. 9 other teachers.

ÉCOLE DE MUSIQUE DU COLLÈGE MARIE DE L'INCARNATION, TROIS-RIVIÈRES. *Directress*, Sœur Marie-Immaculée. 8 other teachers.

ÉCOLE DE MUSIQUE DES SŒURS DE L'ASSOMPTION, NICOLET. *Directress*, Sœur Marie-Ange. 6 other teachers.

ÉCOLE DE MUSIQUE DES SŒURS DE LA PRÉSENTATION-DE-MARIE DE SAINT-HYACINTHE. *Directress*, Sœur Marie-Noélie.

DOMESTIC ECONOMY, 8 schools.

ÉCOLE D'ÉDUCATION FAMILIALE ET SOCIALE. *Directress*, Sœur Marie Gérin-Lajoie. 16 other teachers.

ÉCOLE DE TOURISME. *Director*, Fernand Delhaes. 9 other teachers.

CONSERVATOIRE LASSALLE (French elocution and oratory). *Director*, G. Landreau. 6 teachers.

ÉCOLE DE BIBLIOTHÉCAIRES. *Director*, L.-P. Desrosiers. 16 other teachers.

INSTITUT PIE XI. *Director*, J. B. Desrosiers. 20 other teachers.

ÉCOLE D'INFIRMIÈRES HYGIÉNISTES. *Directress*, Alice Gérard. 17 other teachers attached to the Faculty of Medicine.

INSTITUT DE DIÉTÉTIQUE ET DE NUTRITION, attached to the Faculty of Medicine. *Directress*, Rachel Beaudoin. 6 other teachers.

ÉCOLE DE SERVICE SOCIAL. *Director*, Abbé Lucien Desmarais. 12 other teachers.

INSTITUT DE TRADUCTION. *Director*, Georges Panneton. 5 other teachers.

ÉCOLE DE TECHNOLOGIE MÉDICALE. *Directress*, Sœur Camille-de-Jésus.

RADIUM INSTITUTE. *Director*,..... Founded 1922, affiliated to the Radium Institute in Paris, 1923. Hospital attached.

GENERAL INFORMATION

The Univ. was incorporated under its present name by an Act of the Provl. Legislature on Feb. 14, 1920. For early history and organization, see *Year-book* for 1929.

LIBRARY, 264,000 vols. Each Faculty and School has the necessary teaching collections and laboratories.

FACULTIES. Theol. (constituted by the Grand Seminary of St. Sulpice); Law; Philosophy; Med.; Letters; Sciences; Dental Science; Pharmacy; Social, Econ. and Polit. Sciences. Incorporated in the Univ. are Schools of Optometry and Hygiene.

DEGREES AND DIPLOMAS. Courses in the incorporated and affil. institns. include—a 5 yrs.' course in the Éc. Polyt. for the B. ès Sc. App.; 4 yrs. in the Fac. de Ch. Dent. for the D. en Ch.D.; 4 yrs. in the Éc. de Phm. for the B. en Ph. and D. en Ph.; 4 yrs. in Inst. Agric. d'Oka for the L. en Agr., B. en Agr. and D. en Sc.Agr.; 3 yrs. in the Éc. des H.É. Comm. for a L. en Sc. Com. and B. en Sc. Com. Courses leading to degrees in Music at the Conservatoire National de Musique and at the Éc. Sup. de Musique des Sœurs des SS. NN. de Jésus et de Marie.

FEES. Annual. Theology, \$400; Law, \$200; Medicine, \$260; Philosophy, \$150; Letters, \$150; Sciences, \$300; Dentistry, \$260; Pharmacy, \$200; Social Science, \$50; Optometry, \$200; Hygiene, \$150; Polytechnic, \$175.

PUBLICATIONS. *Annuaire général* (May); *La Revue trimestrielle canadienne*; *L'Actualité économique*; *L'Action universitaire*.

THE YEAR 1946-47

DEATHS. Prof. Y. Laurier (Med.); Prof. A. Dolls (Éc. Polyt.); Prof. T. S. Baubs (Éc. des hautes ét. comm.); Prof. E. Saint-Jacques (Med.); Emeritus Prof. S. Boucher (Med.); A. Geoffrion; R. P. Ernest Aubin, former Superior of Séminaire de Joliette; Canon J.-B.-O. Archambault, former Superior of Séminaire de St. Hyacinthe; Emeritus Prof. E.-C. Vidricaire (Éc. des hautes ét. comm.); P. Paré, member of Commission d'Admin.; Emeritus Prof. J.-B. Lagacé (Lett.); Emeritus Prof. S. A. Baulne (Éc. Polyt.); R.P. P.-E. Farley, former Superior of Coll. de Joliette; Emeritus Prof. G. Pelletier (Sci. Soc., écon. et pol.); R. P. Léopold (Inst. Agric., Oka); Emeritus Prof. Mgr. C.-P. Choquette (Sci.); J.-A. Bernier, member of Commission d'Admin.; Mgr. A.-P. Sabourin, former member of Council; Prof. A. Léveillé, Dean, Fac. of Sci.; E. Biron; Mgr. E. Lapointe.

HONORARY DEGREES. *D. de l'U.*—Eugène Poirier; R.P. F.-X. Forest; G.-A. Lapointe; J.-R. Mazet; J.-E. Laforce; Mgr. B. de Solages. *LL.D.*—W. S. Johnson; H.E. Jean Désy. *D.Méd.*—B.-A. Houssay. *D.Lett.*—Mgr. N. Robichaud. *D.D.S.*—J.-A.-N. Thibert. *D.Pharm.*—G. Bertrand. *D.S.S.*—R.P. Antonio Lamarche; E.-J. Phelan; Canon J. Cardijn. *D.Sc.Appl.*—A. O. Dufresne; H. Massue; A. Cousineau. *D.Sc.A.*—A. Gagnon. *D.Mus.*, —C. Champagne

STUDENTS. Full-time: 8703, including 3716 graduates. Part-time: 2318, including 850 graduates.

DEGREES. D.Th., 3; L.Th., 38; B.Th., 29; LL.L., 19; LL.B., 32; M.D., 79; Dipl.H.I., 20; B.Sc.-N., 6; D.Ph., 3; L.Ph., 10; B.Ph., 6; D.Psy., 3; L.Psy., 5; B.Psy., 6; D.Ét.Méd., 1; L.Ét.Méd., 4; B.Ét.Méd., 6; D.Lett., 5; L.Lett., 11; M.Lett., 11; D.Sc., 1; M.Sc., 13; L.Sc., 35; D.D.S., 66; B.D.S., 21; D.Pharm., 1; M.Pharm., 1; B.Pharm., 8; L.S.P., 30; M.R.I., 3; M.S.S.I., 1; B.O., 24; I.C., 47; B.Sc.Appl., 47; L.Sc.A., 8; B.Sc.A., 17; M.V., 6; L.Sc.Com., 61; B.Sc.H., 10; L.Péd., 31; B.Péd., 48; B.A., 536; D.M., 7, L.M., 4; B.M., 5; M.S.S., 7.

MOUNT ALLISON UNIVERSITY

SACKVILLE, N.B.

Founded 1858

CHAIRMAN OF THE BOARD OF REGENTS—N. A. HESLER.

PRESIDENT OF THE SENATE—Colonel the Rev. W. T. R. FLEMINGTON,
O.B.E., B Pæd. Tor., D.D. Qu., M.A.

SECRETARY OF THE SENATE—Prof. D. G. MACGREGOR, M.A. Ox.

DEAN OF THE FACULTY OF ARTS—Rev. H. TUCKER, B.A. Acad., A.M.,
M Ed. Harv., Ph.D. Hartf.

DEAN OF THE FACULTY OF SCIENCE—Dr. H. W. McKIEL, B.A., B.Sc.
Qu., LL.D.

REGISTRAR—CHRISTINE MACINNES, B.A. Dal.

LIBRARIAN—MARY D. FALCONER, B.A. Dal.

TEACHING STAFF

Art, v. School of Fine Arts, infra

History

Fraser, R., B.S.A. Tor., M.A.
Kansas, F.R.M.S. Prof.
Morgan-Jones, J. F., M.Sc. Mani-
Lectr.

Chemistry

Cuthbertson, A. C., M.Sc., Ph.D.
McG. Prof.
MacLauchlan, D. W., Ph.D. McG,
B.Sc. Prof.
Thorn, G. D., B.Sc. Alta.
Asst. Prof.

Classics

Crake, J. E. A., B.A. Tor., B.A.,
M.A. Ox., Ph.D. Johns Hop.
Prof.
Ebbutt, A., B.A., B.D. Prof.

Commerce

Leard, A. D., B.A. Lectr.

Economics and Sociology

Tucker, Rev. H., B.A. Acad.,
A.M., M.Ed. Harv., Ph.D.
Hartf. Joseph L. Black Prof.

Education

Southam, H. D., B.A. Br. Col.,
B.Pæd., D Pæd. Tor. Prof.

Engineering

McKiel, H. W., B.A., B.Sc. Qu.,
LL.D. Brookfield Prof.
West, F. L., B.Sc. McG, M.A.
Director, McClelan Sch.
of E.
Binns, F. W., B.S. Tufts, M.S.
Purdue (E. Drawing) Instr.

English Lang. and Lit

Duchemin, L., B.A. Dal., M.A.
Tor. Prof.
Johnston, G., M.A. Asst. Prof.
Sloan, W. E., B.A. Tor, A.M.
Harv. Lectr.

French

MacBeth, T. A., M.A. N. Br., B.A.
Prof.
Lecuyer, M., L. ès L., Dip d'Ét.
Sup. Paris Lectr.
Wahl, W. E., B.Sc. Mich., M.Sc.,
Ph.D. McG. Prof.

German

Scherrer, A., B.A.
Sir George Williams Lectr

History

Kerr, D. G. G., B.A. McG., Ph.D.
Lond. Prof
Smith, E., M.A. McG and Ox. Lectr

*Home Economics, v. infra**Hygiene*

Gass, C. L., B.A., M.D., C.M. Dal.
Lectr.

Mathematics

Crawford, W. S. H., M.A. Minn.,
B.A. Prof.
Stallard, S., B.Sc. Lectr.

*Music, v. Conservatory of Music,
infra**Philosophy and Psychology*

Baxter, C., B.A. Vict., M.A., Ph.D.
Tor. Prof.

Physics

MacGregor, D. G., B.A. Dal., M.A.
Ox. O. E. Smith Prof.
Crawford, D. P., M.Sc. Dal.,
Ph D. Rochester, B.Sc.
Assoc. Prof.

Fine Arts

Harris, L. P.
Dir. of Dept and Prof.
McKiel, Christian H. Asst. Prof.
Colville, A., B.F.A. Asst. Prof.
Roulston, E. N., B.A. (App. Art)
Dir. of App. Arts.
Hart, Sarah Instr.

Home Economics

Runciman, Doris, B.S., M.A. Col
Prof. and Director.
Cavanagh, C. M., B.Sc. Acadia,
M.Sc. Col Asst. Prof.
Smith, Elizabeth, B.Sc. Acadia
Instr.
Carson, C. I., B.Sc. Instr.
Wright, J. M., B.Sc. Instr.

Conservatory of Music

Whitehead, A., Mus Bac. Tor.,
Mus.Doc. McG, F.R.C.O.
Dean of the Conservatory
and Prof. of Organ.
Churchill, P. H. (Piano)
Hd. of Dept.
Peake, Ethel (Voice) Hd. of Dept.
Hall, Doreen F. (Violin)
Hd. of Dept.
Allen, Dorothy, B.Mus. (Voice).
Patterson, Allison, B.Sc., B.Ed.
(Piano and Organ).
Kempe, Lois, Mus.Bac. (Voice and
Piano)
Jones, Rosabelle, B.Mus. (Piano).
Jones, Kelsey, B.Mus. Mt. A. and
Tor. (Theory).
Crossley, Barbara (Piano).

GENERAL INFORMATION

Mount Allison University was founded as a degree-giving body in 1858 under the name "Mt. Allison Wesleyan College." For early history, see *Yearbook*, 1929.

The UNITED CHURCH of Canada controls the administration on strictly non-sectarian principles; many students belong to other religious denominations.

LIBRARY. 54,866 vols.

FACULTIES, ETC. Arts, Science and Engineering. Schools of Home Economics and of Fine and Applied Arts. Conservatory of Music.

DEGREE COURSES 5 yrs., B.Mus.; 4 yrs. (from Junior Matricn.), B.A., B.Sc., B.F.A.

HIGHER DEGREES. Open to B.A. with Hons. of 1 yr.'s standing, M.A.; to B.Sc. with Hons. of 1 yr.'s standing, M.Sc.; to B.A. or B.Sc. with 1 yr. graduate study, B.Ed. Honorary: LL.D., D.C.L., D.Litt., D.D.

CERTIFICATES. Finance and Commerce, 2 yrs.; Secretarial, 3 yrs.; Applied

Sci., 3 yrs.; Fine Arts, 3 yrs.; Applied Arts, 3 yrs.; Lic.Mus., 3 yrs.; Home Economics, 2 yrs. Teaching certificate, one year following B.A. or B.Sc.

FEES. Tuition: Arts or Science, \$180 p.a. for 6 subjects (lab fees additional \$6-\$14 p.a. per subject); Engin., \$165-\$180 p.a. Registration: \$6 p.a. General Fee, \$40 p.a., covering concerts and lectures, rink, and gymnasium, reading-room and library, etc.

RESIDENCE. Accommodation in the Univ. for 395 men and 300 women. Board and room, \$350 p.a. There are 3 residences for men and 1 residence consisting of 3 houses for women. Two apartment buildings are provided for married veterans.

PUBLICATIONS. *Calendar* (June); *Argosy* (students'), weekly, and *Mt. Allison Record*, monthly; the Wood lectures.

THE YEAR 1946-47

HONORARY DEGREES. *D.C.L.*, 1; *LL.D.*, 3.

STUDENTS. Full-time: 911, including 3 graduates. Extension Department: 75. Summer School: 207.

DEGREES. B.A., 42; M.A., 1; B.Sc., 30; B.Mus., 1; B.F.A., 2; B.Ed., 3.

CERTIFICATES. Licentiate in Music, 2; Engineering, 25; Fine Arts, 3; Applied Arts, 3; Finance and Commerce, 3; Home Economics, 2.

UNIVERSITY OF NEW BRUNSWICK

FREDERICTON

Founded 1800

VISITOR ON BEHALF OF H M THE KING—THE LIEUT.-GOVERNOR OF
NEW BRUNSWICK.

PRESIDENT—A. W. TRUEMAN, M.A. Ox., D.Litt. Mt. A.

REGISTRAR—EDITH G. MACLEOD, B A.

BURSAR—JOSEPH W. SEARS, B.A., B.C.L Ox.

TEACHING STAFF

Biology

Argue, C. W., B A., M Sc McG.

Dean, Fac. Sci., Prof.

Smith, G. F. M., Ph.D. Tor. Prof.

Pritchard, H V., M.Sc. Western
Asst. Prof.

Taylor, A. R., B.A. Tor.
Asst. Prof.

Taylor, Mrs. Helen, B.A.
Asst. Prof.

Chemistry

Toole, F. J., Ph.D. McG. (on leave
of absence)

Dean, Arts and Sci., Prof.

Stewart, A. P., Ph.D. McG.
Assoc. Prof.

Garmaise, D. L., Ph.D. McG. (on
leave of absence) Asst. Prof.

Glegg, D. E., Ph.D. McG.
Asst. Prof.

Ryan, D. E., M.A. Tor.
Asst. Prof.

Cameron, G. E., M.Sc. Manit.
Asst. Prof.

Classics

Cattley, R. E. D., M A. Camb.
Prof.

Hopkins, Carol, B.A. Qu.
Asst. Prof.

Economics and Politics

Petrie, J. R., M.A., Ph.D. McG.
Prof.

Wright, C. P., M.A. Ox., Ph.D.
Harv. Assoc. Prof.

Love, Robert J., B.Pæd. Tor.,
B A, M.A. Asst. Prof.

Education

Thompson, Louise, B.A., B.Ed.
Edin, Ph.D. Yale Prof.

Engineering, Civil

Turner, E. O., S.B. Mass. I. Tech.
Dean, Engin., Prof.

Moore, J. H., S.M. Mass. I. Tech.
Assoc. Prof.

Beattie, I. M., B.Sc. Asst. Prof.

MacFarlane, H. M., B.Sc.
Asst. Prof.

McLaughlin, R., B.Sc. Asst. Prof.

Engineering, Electrical

Baird, A. F., D.Sc.
Dean, App. Sci., Prof.

Dineen, J. O., M.Sc. Asst. Prof.

Smith, R. W., B.Sc. Asst. Prof.

Hoyt, D. P., B.Sc. Asst. Prof.

Collier, R. J., B.Sc. Tor.
Asst. Prof.

Engineering, Mechanical

Wheatley, E. E., B.Sc. McG.
Prof.

Hagerman, E. W., B.Sc.
Asst. Prof.

English

Pacey, W. C. D., Ph.D. Camb.	
	Prof.
Tracy, C. R., B.A. Tor., Ph.D.	
Yale	Asst. Prof.
Wood, G. J., M.A. Tor.	Lectr.
Hicklin, R., B.A. Tor.	Lectr.

Forestry

Gibson, J. M., B.Sc., D.Sc.	
	Dean, Forestry, Prof
Fieger, B. W., B.Sc.	Prof
Blenis, H. W., B.Sc. Syracuse	
	Asst. Prof.
Brown, N. R., M.Sc. Ont. Agric.	
Coll.	Prof.
Harris, E. D. V., B.Sc. (on leave of absence)	Asst. Prof.
Pringle, S. L., B.Sc.	Asst. Prof.
Estey, J. D., B.Sc.	Asst. Prof.
Hadley, C. G., B.Sc. Tor.	
	Asst. Prof.
Freeze, F., B.Sc. Syracuse	
	Asst. Prof.
Long, H. D., B.Sc.	Prof.

French

McAndrew, A., D.Lit. Paris	Prof
Whimster, Mary L., B.A. Manit.	
	Asst. Prof.

Geology

McKenzie, G. S., Ph.D. Tor.	Prof.
Riordon, P. H., M.Sc. McG.	
	Asst. Prof.

German and Spanish

de Merten, M., Ph.B. Louvain,	
L.L.B. Brussels	Prof.

History

Bailey, A. G., Ph.D. Tor., B.A.	
	Dean, Arts, Prof.
McNutt, S., B.A. Lond.	Asst. Prof.
Firth, Frances A., M.A.	Asst.
Gilmore, R. C., M.A. McG	Lectr.

Law

Sears, J. W., B.C.L. Ox.	Lectr.
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Mathematics

Jones, W. G., B.Sc.	
	Dean of Residence and Prof.
Edwards, L. P., M.A. Acadia	
	Asst. Prof.
Samoloff, J., B.A. Tor.	Asst. Prof.
Allison, G. E., B.A. Tor.	Asst. Prof.
Gale, E. I., B.A. Tor.	Asst. Prof.
Sparling, C. C., B.A. Qu.	Asst. Prof.

Philosophy

Stewart, D. A., Ph.D. Tor.	Prof.
----------------------------	-------

Physics

Boone, A. E., B.Sc., M.A. Western	
	Prof.
Kennedy, J. E., M.A. Qu.	
	Asst. Prof.
Pimenoff, V. I., B.Eng. McG.	
	Asst. Prof.
Tillotson, J. G., M.Sc. W. Ont.	
	Asst. Prof.
Weiner, T., Doctor of Physics,	
Milan	Asst. Prof.

GENERAL INFORMATION

The "College of New Brunswick" was incorporated in 1800 by Provincial Charter, re-incorporated in 1828 by Royal Charter as "King's College," and again in 1859 as the Univ. of N.B. A Faculty of Law was established in 1923 in St. John, taking over, with some changes, the work of the former King's College Law School. The Provincial Govt. appoints the President and a majority of the governing body, called the Senate, of which the Minister of Education and the Chief Supt. of Education for the Province are *ex officio* members. The annual grant from Provincial revenues is \$194,975.

LIBRARY: 75,000 vols. **MUSEUMS:** Natural History (rich in birds). **LABORATORIES:** Bot., Chem., Engin., Geol., Phys., Psych. **OBSERVATORY:** Telescope with 6" clear aperture.

DEPARTMENTS. Arts, Science, Engineering, Forestry, Law.

DEGREE COURSES. 5 yrs. (from "Junior" Matricn.), Engin., Forestry. 4 yrs., B.A., B.Sc. 3 yrs., B.C.L. The "Senior" Matricn. (or equivalent) Certif. admits to the 2nd year.

HIGHER DEGREES. M.A., M.Sc., D.Litt., D.Sc., LL.D. (Hon.).

FEES. Tuition, annual: Arts, \$150; Pure Science, \$150; Engin. or Forestry, \$200; Law, \$150.

RESIDENCE. Lady Beaverbrook's Building for men students. Board and lodging, \$11 per week. Alexander College, temporary dormitory for men, \$10 per week.

STUDENT HEALTH. Tuberculosis survey of students made in the Autumn.

SCHOLARSHIPS. Rt. Hon. Lord Beaverbrook Undergraduate Scholps., 7 of \$500 each for 4 yrs., 10 graduate Overseas Beaverbrook Scholps., all expenses including holiday travel in Great Britain; Sir James Dunn Scholps., 2 of \$500 each; 1 graduate scholp. of \$1000; research fellowship of \$2500; Colonel C. H. L. Jones Scholps., 10 of \$500 each, 75 others.

PUBLICATIONS. *Calendar* (January); *Brunswickian* (students' weekly); *Fiddlehead* (students' poetry magazine).

THE YEAR 1946-47

BENEFACTION. Gift of land of the value of \$25,000 from Mr. W. W. Boyce of Fredericton.

OTHER DEVELOPMENTS. A new Science Building is planned, and it is hoped that construction work may begin this spring. The Graduates are undertaking a campaign to convert the present Memorial Hall, which now houses the departments of Chemistry and Physics, into a Students' Centre in memory of Univ. of New Brunswick men killed in both wars.

RESIGNATIONS. President Milton F. Gregg, V.C., M.C., D.C.L., LL.D., to accept the portfolio of Minister of Fisheries in the Canadian Cabinet; Prof. S. E. Smethurst, Head of Classics Dept. for 9 years, to accept a post in the Dept. of Classics, Queen's Univ., Kingston, Ont.; Prof. L. A. Duchemin, Asst. Prof. of English, to accept a similar post at Mount Allison Univ., Sackville, N.B.

DEATH. Dr. John Stephens, for thirty-six years Dean of Engineering and Prof. of Mech. Engineering.

HONORARY DEGREES. LL.D.—John Bassett, Manager of the *Montreal Gazette*; Fred Magee, a senior member of the Univ. Senate; Hon. Vincent Massey, formerly Canadian High Commissioner to Great Britain; Hon. Mr. Justice J. E. Michaud of the Supreme Court of New Brunswick; Clarence McNaughton Steeves, of North American Life Assurance Co., Saint John, N.B.—a prominent alumnus of this institution. D.Sc.—Chauncey D. Orchard, Chief Forester of the province of British Columbia.

STUDENTS. Total full-time: 1358; including 77 women and 24 post-graduates.

DEGREES. M.A., 4; M.Sc. in Arts, 2; M.Sc., 3; B.A. (Honours), 8; B.A., 22; B.Sc. in Arts (Honours), 15; B.Sc. in Arts, 30; B.C.L., 13; B.Sc. in Civil Engineering, 16; B.Sc. in Electrical Engineering, 20; B.Sc. in Forestry, 13.

UNIVERSITY OF OTTAWA

Founded 1866

Address—Laurier Avenue, Ottawa.

VISITOR—The Hon. ROY LAWSON, O.B.E., Lieut.-Governor of Ontario.
 APOSTOLIC CHANCELLOR—His Excellency the Most Rev. A. VACHON,
 D.D., Archbishop of Ottawa.

RECTOR—Very Rev. J -C LAFRAMBOISE, D.Ph., D.Th. Rome.

VICE-RECTORS—Rev. A CARON, D Ph , D.Th., D.J.C. ; Rev. R.
 LAMOUREUX, D.Ph., L.Th.

SECRETARY AND REGISTRAR—Rev. R. NORMANDIN, D.Ph., L.Th Rome.

TREASURER—Rev. I. PIGEON, B.A , B.J.C.

LIBRARIAN—Rev. A.-M. MORISSET, B.A., L.J.C.

DIRECTOR OF ATHLETICS—Rev. H MARCOUX, M.A., Ph.L., S.T B. Rome.

DIRECTOR OF EXTRA-MURAL RELATIONS—Rev. H. MORISSEAU.

DIRECTOR OF UNIVERSITY HEALTH SERVICE—Dr. P. BELANGER, M.D.,
 C.M.

TEACHING STAFF

Biology

LeBel, W., B A., M.D. Prof

Business Administration

Casselmann, H , B.Stat , M.A.,
 D.Ph. (Pol. Sci.) Prof.

Chemistry

Caron, Rev. D., B A., L.Ph., L.Th
 Prof.

Poupart, Rev. H., D.Ph , D.Th.
 Rome, B.A.

Dean of Fac. and Prof.

Renaud, Rev E., M.Sc. Un. Cath
 Lille, B.A., L.Ph., D.Sc.,
 F.C.I.C.

Vice-Dean of Fac. and Prof.

Harbic, D., B.A., B.Sc. Prof.

Vaillant, R., B.A., L.Ch (v. also
 Geol.) Prof.

Classics: Greek

Pelletier, Rev. A., M.A. Prof.

Classics: Latin

Royal, Rev. E., M.A., L.Ph.,
 D.Th. Rome

Dir. Corres. Courses, Sec
 of Fac , and Prof.

Houde, Rev. R., B.A., L.Ph. Prof.
 Marcotte, Rev. F.-X., Ph.D., D.Th.
 Rome (v also Physiol) Prof.

Commerce

Leduc, C., B Com. Ottawa and
 McG. Prof.

Levasseur, E., B.A., B.Com. Prof.
 Senécal, Rev. R. Prof.

Economics

Forcier, Rev. G., B.A. Prof.
 Levasseur, E., B.A., B.Com. (v.
 also Comm.) Prof.

English

Bradley, Rev. F., M.A., D.Ph. (v.
 also Hist) Prof.

Buxton, G., M.A., D.Litt. Paris
(Lit.) (v. also Hist.) Prof.
O'Grady, E., B.A. (Lit.) Prof.

French

Chalifoux, Rev. A. (Lit.) Prof.
Hamel, Rev. C., B.A., L.Ph.
Marion, S., M.A., D.Litt. Paris and
Montreal (Lit.) Prof.
Tremblay, Rev. A., B.A. (Lit.) Prof.

Geology

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Medicine, v. infra

Music and Elocution, v. infra

Nursing, v. infra

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LIBRARY, 140,000 vols. The Parliament Library, to which students have access, has 300,000 vols. **MUSEUMS:** In the Univ.—Geol. and Natural Hist.; access also to Geol. Survey Dept. Museum. The Dominion Observatory and Canadian Fisheries Museum are located in Ottawa. **LABORATORIES:** Chem., Phys., Biol.

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THE YEAR 1946-47

BENEFACTIONS. Provincial Government of Ontario, \$250,000; Provincial Government of Quebec, \$25,000; private donations, \$150,000.

EXTRA-MURAL WORK. 486 students.

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DEGREES. Th.D., 1; Th.L., 18; Th.B., 25; L. in Canon Law, 5; B. in Canon Law, 7; Ph.D., 1; Ph.L., 14; Ph.B., 54; Ph.D. (Fac. of Arts), 6; M.A., 16; L.Pol.Sc. (M.A.), 3; B.A., 168; B.Sc., 8; B.B.A., 1. CERTIFICATES: Public Health Nursing, 9; Nursing, 24; Pol. Sci., 3; Library Sci., 3; Translation, 11; Normal School, 1st class, 12; 2nd class, 119.

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Smalls, R. G. H., B.Sc. (Econ.)
Lond (Commerce) Prof.
Curtis, C. A., B.A. Tor., Ph.D.
Chic., F.R.S.C. (Economics)
Prof.
Knox, F. A., B.A., F.R.S.C. (Eco-
nomics) Prof.
Poole, W. H., M.A. Alta. (Com-
merce) Prof.
McDougall, J. L., M.A. Tor. (Com-
merce) Assoc. Prof.
Macpherson, L. G., B.A. Brandon
(Commerce, v. also Account-
ing) Assoc. Prof.
Urquhart, M. C., B.A. Alta. (Eco-
nomics) Asst. Prof.
Leonard, W. G. (Commerce, v.
also Accounting) Asst. Prof.
Smyth, J. E., M.Com. Tor. (Com-
merce, v. also Accounting)
Asst. Prof.

8 Tutors

Drama

Angus, W., A.M., Ph.D. Cornell
Asst. Prof.

Economics, v. Polt. and Econ. Sc.

Engineering, v. also Mining E.

Ellis, D. S., D.S.O., M.C.E. Cor-
nell, B.Sc., M.A. (Civil E.)
Prof. and Dean of Fac. of
App. Sc.

Conn, H. G., O.B.E., M.S. Mich.,
B.Sc. (Mech. E.) Prof.
Campbell, J. S., M.Sc. (Mech. E.)
Prof.

Jemmett, D. M., D.C.M., M.A.,
B.Sc. (Elect. E.) Prof.
Jackson, A., B.Sc. (Draughting)
Prof.

Plewes, A. C., Ph.D. McG., M.Sc.
(Chem. E.) Prof.

Brooks, J. W., B.Sc. (Civil E.)
Assoc. Prof.

Grant, L. F., D.Sc. Laval, B.Sc.
(Civil E.) Assoc. Prof.

Lash, S. D., M.Sc. Lond., Ph.D.
Birm., D.I.C. (Civil E.)
Assoc. Prof.

Pollock, H. S., M.Sc. (Elect. E.)
Assoc. Prof.

Stewart, H. H., M.S. Mich., B.Sc.
(Elect. E.) Assoc. Prof.

Styles, H. J., M.S. Mich., B.Sc.
Assoc. Prof.

Lee, J. D., M.S. Iowa, B.Sc. (Civil
E.) Asst. Prof.

Low, R. A., M.C.E. Cornell, B.Sc.
(Civil E.) Asst. Prof.

Dauphin, E. L., M.S. Ill., B.Sc.
(Civil E.) Lectr.

Edwards, H. M., B.Sc. (Civil E.)
Lectr.

Gilbert, W. D., S.M., Mass. Inst.
Tech., B.Sc. (Mech. E.) Lectr.

Kennedy, R. J., B.Sc. (Civil E.)
Lectr.

Marshall, D. W., B.A.Sc., M.Sc.
Tor. (Chem. E.) Lectr.

McKenna, J. V., B.A.Sc. Tor.
(Mech. E.) Lectr.

Beamish, V. A., B.Sc. (Draught-
ing) Instr.
Billingsley, J. G. S. (Draughting)
Instr.
Moore, A. D., B.Sc. (Elect. E.)
Instr.
Searle, C. L., B.Sc. (Elect. E.)
Instr.
Shibley, L. H., B.Sc. (Mech. E.)
Instr.
Symons, E. A. C., B.Sc. (Elect. E.)
Instr.
Fox, F. L. (Elect. E.) Technician.
17 Demrs.

English

Harrison, G. B., M.A. Camb,
Ph.D. Lond. Prof.
Roy, J. A., M.A. Edin. Prof.
Alexander, H., M.A. Liv. Prof.
Gordon, Wilhelmina, M.A.
Assoc. Prof.
Vincent, C. J., B.A. Western,
A.M., Ph.D. Harv.
Assoc. Prof.
Walker, E. A., M.A. Camb
Asst. Prof.
Edinburgh, A., M.C., B.A.
Camb. Lectr.
4 Teaching Fellows, 20 Tutors.

French

Campbell, P. G. C., M.A. Ox., D.
de l'U. Paris Prof.
Tirol, M., L. ès L. Paris, Ph.D.
Lond. Prof.
Shortliffe, G., M.A. Alta., Ph.D.
Cornell Asst. Prof.
Fauconnier, R. L., L. ès-L.
Asst. Prof.
McConnell, Mme. Jeanne M., B.S.,
C.A.P. Paris Instr.
3 Tutors.

Geology

Bruce, E. L., M.A., Ph.D. Col.,
B.A., B.Sc., F.R.S.C.,
F.G.S.A.
Miller Memorial Research
Prof.

Ambrose, J. W., A.B. Stanford,
Ph.D. Yale, F.R.S.A.,
F.G.S.A. Sp. Lectr.
Rose, B., Ph.D. Yale, B.Sc.,
F.R.S.C., F.G.S.A. Prof.
Macdonald, R. D., M.Sc. Alta.,
Ph.D. Princet., M.A.
Asst. Prof.

7 Assistants.

German

Henel, H., Ph.D. Frankf. Prof.
Laird, Hilda C., B.A. Assoc. Prof.
Cardinal, C. H., M.A. McG.
Asst. Prof.

1 Tutor.

Hebrew, v. Semitic Langs.

History

Trotter, R. G., B.A. Yale, A.M.,
Ph.D. Harv (Canadian and
Colonial H.) Douglas Prof.
Harrison, W. E. C., O.B.E., M.A.
Lond. Prof.
Lower, A. R. M., M.A. Tor., Ph.D.
Harv, F.R.S.C. Prof.
Smith, Rev. W. E. L., M.C., M.A.
Tor., Ph.D. Edin. Asst. Prof.
3 Fellows, 6 Tutors.

Italian, v. Spanish

Mathematics

Jeffery, R. L., B.A. Acadia, M.A.,
Ph.D. Cornell, F.R.S.C.
Dupuis Prof.
Miller, N., Ph.D. Harv., M.A. Prof.
Douglas, A. Vibert, M.B.E., M.Sc.,
Ph.D. McG. (Astronomy)
Act. Prof.
Edgett, G. L., M.A. Mt. A., Ph.D.
Ill. Assoc. Prof.
Halperin, I., M.A. Tor., Ph.D.
Princet. Assoc. Prof.
Wood, F. M., M.A., B.Sc.
Assoc. Prof.
Goodspeed, F. M. C., B.Sc. Manit.,
M.A. Tor., Ph.D. Camb
Asst. Prof.
Macphail, M. A., M.A. McG.,
D.Phil. Ox., B.A.

Visiting Lectr

Twiss, J. F., M.A. McM.

Sp. Lectr
Ellis, H. W., M.Sc Acadia, Ph D
Tor Lectr
Clarke, E. E Instr.
Dale, D. K., B.A. Instr
Holloway, A. F., B.Sc Instr
Immel, E. R., B.A. Instr
Krotkov, Valentina N., B.A.
Moscow, M.A. Tor. Instr.
Messel, H. Instr
Sherwin, L. B., B.A., B Com.

Instr.
Stuart, Elizabeth S, B A Instr.
2 Tutors.

Medicine, v. infra

Metallurgy

Lord, T. V., B.Sc. Prof
Carson, O. A., M.A., Ph D. Col.,
B.Sc Assoc Prof.

Mineralogy

Hawley, J. E., Ph.D. Wisc., M.A.,
F.R.S.C., F.G.S.A. Prof.
Berry, L. G, M A, Ph D. Tor.,
F G S A, F.M.S.A. Asst. Prof.
Robinson, S. C., M.A Sc Br. Col,
Ph.D. Lectr.

4 Assistants.

Mining Engineering

Graham, S. N., B.Sc. Prof.

Music

George, G., Mus Bac., Mus.Doc.
Tor Assoc. Prof

Philosophy

Vlastos, G, M.A., Ph D. Harv. Prof.
Philip, Brother B. R, M A. Tor.,
Ph D. Cath. U. of Amer
(Psychol) Prof.
Estall, H. M., M.A. McGill, Ph.D.
Cornell Asst. Prof.
Pearson, J. G. L., B.A. Tor., Ph.D.
Col. Lectr.
Houck, J. H., M.A (Psychol.)
Instr.

1 Fellow, 15 Tutors.

Physics

Roberston, J. K, M.A. Tor.,
F.R.S.C. Prof.
Gray, J. A, O.B.E., D Sc Manc.,
F.R.S., F R S.C.
Chown Science Research
Prof.
Flammer, E., B.Sc Calif, Ph D
Harv. Prof
Harkness, H. W., M.Sc., Ph.D.
McG., B Sc., B A

Assoc. Prof
Watson, E. E., M Sc. McG., Ph D.
Camb. Assoc. Prof.
Cave, H. M., Ph D. Camb., M.A.

Assoc Prof
Hughes, J. V., B Sc., Ph D Lond.,
D.I.C, F.I.P. Asst. Prof.
Roberts, D. T., B Sc Bristol, Ph D
Birm Asst. Prof.
Lodge, J. I, M A. Lectr
7 Demrs, 17 Tutors

Physiology

Melvin, G. S., M.D. Aberd. Prof.
Ettinger, G. H., M.B.E., B.A,
M D, C.M, F.R.S.C Prof
Sawyer, Margaret E M., M.A.,
Ph.D. McG Lectr
2 Assistants.

Political and Econ. Science

Mackintosh, W. A., C.M.G., Ph.D.
Harv, LL D Manitt., M.A.,
F R S C.
Sir John A. Macdonald Prof.
Curtis, C. A, B.A. Tor., Ph.D.
Chic, F.R.S.C. Prof
Knox, F A., B.A., F.R.S.C Prof
Corry, J. A, LL.B. Sask., B.C.L.
Ox., LL.M, F.R.S.C.

Hardy Prof
Cameron, J. C., M Com.
Head, Industrial Rela-
tions Section, Prof.
Poole, W. H., M.A. Alta. Prof.
McDougall, J. L., M.A. Tor.

Assoc. Prof.
Macpherson, L. G., B.A. Brandon
Assoc. Prof.

Crawford, K. G., M.A. West.
Asst. Prof.
Curtis, C. H., M.A. (Industrial
Relations) Asst. Prof.
Hodgetts, J. E., M.A. Tor., Ph.D.
Chic. Asst. Prof.
Urquhart, M. C., B.A. Alta.
Asst. Prof.
Slater, D. W., B.Com. Manit., B.A.
Instr.
Jewett, Pauline M., M.A. Instr.
15 Tutors.

Semitic Langs and Lit.

Kent, Rev. H. A., E.D., M.A.
Dal., D.D. Montr., F.R.S.A.
(Hebrew and Relig. Know-
ledge) Prof.
Gilmour, Rev. S. M., Ph.D. Chic.
(Hebrew and Relig. Know-
ledge) Asst. Prof.

Spanish and Italian

Brovedani, J. H., D. ès L. Rennes
(Span. and Ital.) Prof.
Fox, A. M., B.A. Tor. (Spanish)
Lectr.
Sargeant, Doris, B.A. Tor.
(Spanish) Lectr.
Climo, Ruth M., B.A. Tor. Instr.

Medicine

(for subjects of the first 2 yrs.—
Anat., etc., v. *supra*)

Anæsthetics

Angrove, H. S., M.D., C.M. Lectr.
Campbell, W. A., M.D., C.M.
Lectr.
Noble, A. B., M.D. Tor. Lectr.
Milligan, A. D., M.D., C.M.
Clinical Asst.

Bacteriology

Reed, G. B., O.B.E., M.A., B.Sc.,
Ph.D. Harv., F.R.S.C. Prof.
Orr, J. H., M.D., C.M., F.R.C.P.
Can. Prof.
Anderson, Reta E., M.A. Instr.

Biochemistry

Sinclair, R. G., Ph.D. Rochester,
B.A., F.R.S.C. Craine Prof.
1 Assistant.

Embryology

Kropp, B., M.A., Ph.D. Harv.
Asst. Prof.

Eye, Ear, Nose, and Throat

Cays, F. A., M.D., C.M.,
F.R.C.S.Can. Prof.
McBroom, J. G., M.D., C.M.
Clin. Asst.
MacPherson, G. B., B.A., M.D.,
C.M. Clin. Asst.
O'Connor, F. X., M.D., C.M.
Clin. Asst.

*Gynæcology, v. Obstetrics and
Gynæcol.*

Med. Jurisprudence

Macdonnell, P. M., M.A., M.D.,
C.M. (also Med.)
Lectr. and Historian.
Rigney, T. J., B.A., K.C. Lectr.

Medicine and Clin. Med

Connell, W. F., M.D., C.M.,
F.R.C.P.Can., F.A.C.P. Prof.
Brown, G. M., Ph.D. Ox., M.D.,
C.M. Assoc. Prof.
Hopkins, B. H., M.B. Tor.
Asst. Prof.

McCuaig, C. H., M.D., C.M.
(Psychological Medicine, v.
also Psychiatry) Asst. Prof.
White, D. N., M.A., M.B., B.Chir.
Camb. Asst. Prof.

Robinson, S., M.D., C.M. Lectr.
Tweddell, J. T., M.D., C.M. Lectr.
Bird, H. G., M.B. Tor. Clin. Asst.
Gibson, J. E., B.A., M.D., C.M.
Clin. Asst.
O'Connor, F. D., M.D., C.M.
Clin. Asst.

Scott, G. D., M.D., C.M.
Clin. Asst.
Greenblatt, J., M.D., C.M.
Clin. Tutor.

3 Fellows.

Obstetrics and Gynecology

- Robertson, E. M., M.B., Ch B.
Edin., F.R.C.O.G., F.R.C.S
Ed., F.R.C.S.Can Prof.
McLeod, P. A., B.A., M.D., C.M.,
F.R.C.O.G., F.R.C.S.Can.
Assoc Prof
O'Connor, F. J., M.D., C.M.
Asst Prof
Mylks, G. W., B.A., M.D., C.M.,
F.A.C.S Asst. Prof
Clow, L. R., M.D., C.M.
Clin Tutor

Pathology

- Hamilton, J. D., M.D. Tor. Prof
Hay, W. D., M.A., M.D., C.M.
Assoc. Prof.
McLean, C. R., M.C., C.M.
Asst. Prof.

Pediatrics

- MacGregor, R. R., M.D., C.M.,
F.R.C.P.Can. Prof.
Delahaye, J. S., M.D., C.M. Lectr.

Pharmacology and Therapeutics

- Boyd, E. M., M.A., M.D., C.M.
Douglas Prof.
McEwen, H. D., Ph.D. Roch.,
M.A. Assoc. Prof.

Psychiatry

- McCuaig, C. H., M.D., C.M. Prof.
Stewart, J. S., M.D., C.M. Lectr.
Batstone, H. L., B.Com., M.D.,
C.M. Clin. Asst
O'Connor, M. J., M.D., C.M.
Clin. Asst.

Psychology

- Houck, J. H., M.A Instr.

Public Health and Preventive Medicine

- Wyllie, J., M.A., B.Sc., M.D. Glas.,
D.P.H. Camb
Arthur R. Elliott Prof.
Boyd, A. R. J., B.A., M.D., C.M.,
D.P.H. (Prev. Medicine)
Lectr.

Radiology and Physical Therapy

- Jones, W. A., O.B.E., M.D.
Western, F.R.C.P.Can.,
F.F.R. Prof.
Burr, R. C., M.D., C.M., F.R.C.S.
Ed. Assoc Prof.

Surgery

- Bingham, D. L. C., M.B., Ch.B.
Edin., F.R.C.S.Ed., F.R.C.S.
Can Prof.
Houston, S. W., M.D., C.M.,
F.R.C.S.Ed., F.R.C.S.Can.
Assoc Prof.
Boucher, D. W., M.D., C.M.,
F.R.C.S.Ed., F.R.C.S.Can.
Assoc. Prof.
Koster, B. M., M.D., C.M. McG
Lectr.
Broom, J. C. W., D.D.S. Tor.
(Dental S.) Lectr.
Lindsay, G. C., M.D., C.M.
Clin Asst.
Tweddell, T. N., M.D., C.M.
Clin. Asst.
Warner, H. M., B.Sc., M.D., C.M.
McG Clin Asst.
Megill, A. H., M.D., C.M.
Surgical Registrar.

Urology

- Berry, N. E., M.D., C.M. Prof.
White, E. P., M.D., C.M., F.R.C.S.
Ed. Clin. Asst.

Nursing

- Riches, Dorothy M., B.A. Sask.
Director.
Weir, Jenny, B.Sc. Alta., M.A.
Col. (Pub Health) Lectr.
Wilson, G. E., M.D. Tor. (Mental
Hyg.) Instr.

Physical and Health Education

- Bartlett, F. L., B.A. Tor.
Director.
Edwards, J. F., B.A. Asst. Prof.
Ross, Marion, B.A. Asst. Prof.
Hawkins, Diana Instr.

Adviser to Veterans

Medical Officer

MacClement, W. D., Ph D. Camb , Macdonnell, P. M., M.A., M.D.,
B.A. C.M.

AFFILIATED COLLEGE

QUEEN'S THEOLOGICAL COLLEGE. Principal and Prof. of Hebrew and Old Test. Criticism and Exegesis, Rev. H. A. Kent, M.A., D.D. 3 other Profs.

GENERAL INFORMATION

Queen's College, Kingston, was founded by Royal Charter in 1841. For early history, see *Yearbook* for 1929.

The administration is vested in a Board of Trustees, composed of Chancellor, Principal, and Rector, representatives of the Council, Theological College, the Graduates and Benefactors, and 12 members selected by the Board.

LIBRARY (The Douglas Library). 210, 250 catalogued vols., including many scarce books and early editions, especially of Canadian historical interest. The Reading Room has over 4000 vols. on open shelves and 700 periodicals. The Lorne Pierce collection of modern Canadiana and the Shortt-Haydon collection of pictures and portraits of Canadian interest are probably unexcelled. **MUSEUMS**: Herbarium (35,000 spec.), Geol., Mineral., Ethnol. (rich N. American Stone Age collection). **LABORATORIES**, including important School of Mines buildings: Biol., Chem., Geol., Physics, Engin., Mining, Mechan., Metall., Mineral. **OBSERVATORY** with 6" telescope. **HOSPALS.** available for clinics, 2 general, 1 for insane. Easy access to important locomotive shops, dry docks, canal locks, water-power stations, mines, metallurgical works. Exceptional natural facilities for Geol. study.

FACULTIES AND DEANS. Arts, Prof. W. A. Mackintosh (Pol. and Econ. Sci.); Applied Science, Prof. D. S. Ellis (Civil Engin.); Medicine, Prof. G. S. Melvin (Physiol.). The Senate includes representatives of the Theological College and the Faculties of Arts, Applied Science and Medicine also.

DEGREE COURSES. 3 yrs. from Senior Matriculation, Pass B.A., B.Com.; 4 yrs. from Senior Matriculation, B.A. with Honours, B.Sc. (in Engin.—Civ., Mech., Elec., Min., and Metall., Chem. and Metall.—Analyt. and Applied Chem., Mineral. and Geol. or Physics); 5 yrs. from Senior Matriculation, B.N.Sc.; 6 yrs. from Senior Matriculation, M.D., C.M.; 4 yrs. from Senior Matriculation, Pass B.A. and B.P.H.E.

HIGHER DEGREES. M.A. (1 yr.); M.Sc. (1 yr.); D.Sc. (2 yrs. after M.D.); Ph.D. (3 yrs.); B.D. (3 yrs.' course or its equivalent); Honorary: LL.D., D.D.

DIPLOMAS. Public Health (D.P.H.), 2 yrs.; Medical Radiology (D.M.R.), 4 yrs., including training in recognized Radiol. Dept.; Diploma in Laboratory Technique, 12 mos.; Testamur in Theology, 3 yrs.

Fees per annum (Class, Examn. and Student interests) in Arts, \$173; Science, \$255; Medicine, \$245; Physical and Health Education, \$223.

SCHOLARSHIPS AND FELLOWSHIPS. There are a large number of entrance scholarships varying in value from \$20 to \$900 p.a. and open to students entering all Faculties. *The Duncan McArthur Memorial Scholarship*, \$500, is awarded for graduate work in History either at Queen's Univ. or elsewhere. *The Sir James Aikins Fellowship in Canadian History*, \$400, and the *Western*

Ontario Graduates Fellowship in History, \$320, are open to distinguished graduates proceeding to further work in this subject. Two resident Arts research fellowships of \$500 and one of \$300 are open to men and women who have taken the Hon. B.A. degree at Queen's or an equivalent degree elsewhere. *The George Christian Hoffman Fellowships*, (i.) for pathological research, \$800, (ii.) for further study in surgery, \$600, awarded for study in some institution or university in Europe or the United States approved by the Senate. *The C.I.L. Fellowship in Chemistry and Chemical Engineering*, \$750, is open to graduates of Queen's or other Univs. who wish to do research in Chemistry or Chem. Engin. *The Shell Oil Fellowship*, \$750, is for graduate work in Chemistry, Chem. Engin., Mech. Engin., Geol., Physics, Geophysics. *The Orvil Dryfoos Fellowship* of \$750 and *the George Barber Fellowship* of \$750, given by the Spruce Falls Power and Paper Co., are awarded for graduate work in Chemistry, Chem., Mech., Elect., or Civil Engin. Applicants must be Canadian citizens. *The Cominco Fellowship* of \$750, founded by the Consolidated Mining and Smelting Co. of Canada, Ltd. The holder of this fellowship shall carry on an investigation related to the general field of non-ferrous metals, chemicals, or fertilizers in which the Consolidated Mining and Smelting Co. of Canada, Ltd., is interested. Applicants must be graduates in Sci. or Engin. of a recognized Univ. and preferably British subjects resident in Canada. *The Inco Scholp* of \$500, established by the International Nickel Co. of Canada for graduate work in Chemistry, Chem. Engin., Mining, Metallurgy, Geol and Mineral. Postgraduate Scholp. in Chem. Engin. of the value of \$300 awarded to a student at the end of the fourth year of the Chem. Engin. course on the basis of ability, academic record, character and personal qualifications. *The George MacBeth Milligan Fellowship in Philosophy*, \$400, is awarded for research work in Philos. or Psychol. This fellowship is open to graduates of Queen's or elsewhere. There are two fellowships in Chem. open to graduates of approved Univs.

RESIDENCE with rooms for 166 women students and refectory accommodation for 315. Board and lodging in the women's residence for 1946-47 is from \$310 to \$360 for the full session. The Students' Union provides meals for men at \$7.50 to \$8.50 a week and accommodates about 1000. A temporary cafeteria in the basement of Grant Hall serving lunch and dinner accommodates about 510.

HOUSING BUREAU. Under normal conditions, most of the students attending Queen's Univ. find housing accommodation in private homes throughout the City of Kingston. The Univ. has no men's dormitories, but has a women's residence with 5 annexes, which house 166 women students.

The post-War increase in registration—from approximately 1800 to 3000, mostly veterans, both men, many of them married, and women—necessitated drastic measures to obtain the required accommodation.

A housing office, with a full-time secretary in charge, was established. Through the efforts of this office, the private-home accommodation was greatly increased. Extra temporary dormitory or community accommodation was arranged for 104 single women, and for 150 single men. Temporary apartments were either constructed or otherwise arranged for 75 married students with or without children.

UNIVERSITY EXTENSION. (Director: Harry K. Hutton, M.A., B.Pæd.) Correspondence courses for teachers and others unable to pursue full degree courses in Arts. Candidates for degrees must be in attendance at the Univ. for five Summer Schools (six weeks in July and August), or two winter sessions, or one winter session and three Summer Schools. (Director: H. L. Tracy, B.A., Ph.D.) The final written examns. are the regular Univ. examns. *Exten-*

sion tutorial classes supplementing the work by correspondence are conducted by members of the Univ. staff and others in various centres. Other activities organized or assisted by the Dept. are : a series of public lectures at the Univ. ; a concert series ; film service in co-operation with the National Film Board of Canada ; short courses and conferences which vary in nature from vocational to cultural ; individual lectures by members of staff ; material provided for study groups and drama groups ; courses in public administration for municipal officials.

Institut d'Études Anglaises is held each summer for a period of five weeks and is intended particularly for French-speaking Canadians who wish to learn English.

The School of the Fine Arts, including instruction in art, ballet, drama, speech arts, and music, is held each summer for a six weeks' period.

The Summer Radio Institute, giving instruction in workshop practice, including training in the arts of speech, writing, and production for radio broadcasting, is held each summer.

Banking Courses leading to diplomas of Associate or Fellow of the Canadian Banking Association. Tuition by correspondence to members of Canadian Banks.

By agreement with the Ontario Institute of Chartered Accountants, Toronto, the tuition for their course, leading to the Chartered Accountant's certificate, is given by the University.

PUBLICATIONS. *Calendars* (by Faculties) ; *Queen's Quarterly* ; *Queen's Univ. Journal* ; *Queen's Review* (Gen. Alumni Assoc.).

THE YEAR 1946-47

BENEFACTIONS. Anonymous, \$100,000 to establish the Chancellor Dunning Trust Fund ; Anonymous, \$7000 and \$1000 ; Bank of Montreal, \$10,000 ; Bank of Toronto, \$3000 ; H. G. Bertram, \$25,000 for improving teaching in Mechanical Engineering ; Canada Steamship Lines, \$5000 ; Canadian Industries Ltd., \$1250 ; Carnegie Corporation of New York, \$2000 for the Institut d'Études Anglaises ; E. A. Collins, \$7500 for the administration building ; Consolidated Mining and Smelting Co. of Canada, \$1575 ; J. S. Douglas, \$9200 for repairs to the Douglas Library ; several contributors, \$800 for work in drama ; Estate of Captain J. L. Engler, \$500 ; Mrs. Frederick Etherington, \$3400 for work in Art and Music ; Mrs. Helen Fairlie, \$1000 for work in Art and Music ; Estate of Miss Annie L. Fowler, \$1000 for Marty Memorial Scholp. ; Senator and Mrs. A. C. Hardy, \$11,000 for professorship in Pol. Sci. ; various Canadian and American companies and individuals, \$18,700 for the Clarence J. Hicks Memorial Fellowship in Industrial Relations ; numerous contributors, \$22,250 for endowment and maintenance of special work in Industrial Relations ; International Nickel Co. of Canada, \$500 ; Estate of Mrs. Emma Saloma Lawlor, \$2000 ; Estate of Colonel Reuben Wells Leonard, \$70,813 ; Mrs. Duncan McArthur, \$500 for the Duncan McArthur Memorial Scholp. in History ; Dr. J. E. McAskill, \$800 for medical equipment ; J. S. McLean, \$1000 for McLean Rural Bursaries established to encourage students from rural districts to come to the Univ. ; A. J. McNab, \$5000 for the Skelton Memorial Scholp. ; Estate of Miss Anna Murphy, \$544 ; National Council of Jewish Women of Canada, \$2200 ; Ogilvie Flour Mills Co., \$6000 ; several contributors, \$1000 for work in Pathology ; Estate of George and Mary Louise Patton, \$3895 ; several contributors, \$11,225 for research in Pharmacol. ; Queen's University Alumnae Assocn. , \$33,000 for the Marty Memorial Scholp. ; Mrs. J. A. Richardson, \$2000

for the Students' Union; Royal Bank of Canada, \$5000; Shell Oil Co. of Canada, \$500; Spruce Falls Power and Paper Co., \$2000; Mrs. D. W. Stewart, \$3000 for maintenance of work in Psychiatry; Sun Life Assurance Co. of Canada, \$5000; Toronto Branch, Queen's University General Alumni Assocn., \$3000; Messrs. George Weston, Ltd., \$2500; Estate of Mrs. Edith McLaren Wilson, \$975; several contributors, \$10,033 for extension to the women's residence; further substantial sums for general endowment and maintenance, and a large number of smaller donations for the maintenance of scholarships.

NEW BUILDINGS. New Building for Mechanical Engineering (McLaughlin Hall). Extension to Chemistry Building (Gordon Hall). Reconstruction of the La Salle Barracks providing accommodation for 50 veterans and their wives and children, 2 single male veterans, and 104 women students. Reconstruction of one floor of Ontario Hall (Physics). Laboratory for draughting (Machine Shop Building).

NEW APPOINTMENTS AND POSTS. F. L. Battlett, B.A., Director of the School of Physical and Health Education; H. G. Conn, O.B.E., B.Sc., M.S., Head of the Department of Mechanical Engineering; Rev. A. M. Lavery, B.A., B.D., Chaplain of the Univ.; A. R. M. Lower, M.A., Ph.D., F.R.S.C., Prof. of Hist.; W. H. Poole, M.A., Prof. of Commerce; S. E. Smethurst, M.A., Prof. of Classics; G. J. Smith, B.A., B.Sc., Treasurer and Director of Endowment; W. E. L. Smith, M.C, M.A., Ph.D., Prof. of Med. Hist.; M. C. Tillotson, M.B.E., B.Com., M.B.A., Asst. Treasurer; Miss Jenny Weir, B.Sc., M.A., Lectr. in Public Health Nursing.

OTHER DEVELOPMENTS. Establishment of the Dunning Trust, a gift by an anonymous donor of \$100,000 in honour of Mr. C. A. Dunning, Chancellor of the University, to be used "to promote understanding and appreciation of the supreme importance of the dignity, freedom, and responsibility of the individual person in human society," the income from the fund to be used for the first three years to bring visiting lecturers who represent the values which the humanities have inculcated through the years. Prof. T. E. Jessop of Hull Univ. Coll. held the first lectureship under the trust and spent the month of Jan., 1948, at the Univ. Establishment of a course in Physical and Health Education leading to the degrees of B.P.H.E. and B.A.

RETIREMENTS. Prof. W. M. Conacher (French); Dr. W. E. McNeill (Vice-Principal and Treasurer); Maj.-Gen. E. J. C. Schmidhn (Head of the Dept. of Mech. Engin.).

RESIGNATIONS. Prof. C. V. Armour (Civil Engin.); Prof. A. A. Day (Classics), appointed to the Dept. of External Affairs, Ottawa; Prof. George Humphrey (Philos.), appointed to Oxford Univ., England; Prof. M. L. Keith (Geol.), appointed to the Geophysical Laboratory, Washington, D.C.

DEATH. Dr. H. P. Folger (Ophthalmology).

HONORARY DEGREES. LL.D.—Everett Alfred Collins, formerly Assistant to the General Manager of the International Nickel Company of Canada; the Hon. William Rupert Davies, a member of the Canadian Senate; James Macalister Farrell, Vice-Chairman of the Board of Trustees of Queen's Univ.; the Hon. Donald Gordon, Deputy Governor of the Bank of Canada, formerly Chairman of the Wartime Prices and Trade Board of Canada; John Thomas McNeill, Prof. of Church History, Union Theological Seminary, New York; William Everett McNeill, formerly Vice-Principal and Treasurer of Queen's Univ.; Kenneth Percival Rutherford Neville, formerly Dean of Arts and

Registrar of the Univ. of Western Ontario. *D.D.*—Theophile James Meek, Prof. of Oriental Langs., Univ. of Toronto; Malcolm Norman Omond.

STUDENTS. Full-time: 3028.

DEGREES. Ph.D., 1; B.D., 2; M.A., 12; B.A. (Honours), 60; B.A. (Pass), 226; B.Com., 36; M.Sc., 24; B.Sc. (Honours), 25; B.Sc., 153; M.D., C.M., 41; M.Sc. (Medicine), 2; B.N.Sc., 2; Diploma in Nursing, 1, Diploma in Laboratory Technique, 1.

UNIVERSITY OF ST. FRANCIS XAVIER

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Assoc. Prof.

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Gillis, Rev. J. H., Ph.D. Cath. U.
Amer. Prof

Economics and Sociology

MacDonald, Rev. J. A., M.A. Tor.
Prof.
MacCormack, Rev. D., M.A., D.D.
Laval Asst. Prof.
O'Connell, D. J., M.A. Tor. (Econ.)
Assoc. Prof.
MacEachen, A. J., M.A. Tor.
(Sociol.) Assoc. Prof.

Education

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U. Amer. Prof.

Engineering

Fogarty, Rev. W. P., B.S. McG.
Prof.

English

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Kane, Rev. G. L., A.M. Harv.
Assoc. Prof.

French

MacLean, C., D. de l'U. Paris Prof.

Geology

[Prof.
MacNeil, D. J., Ph.D. Princet.

German

Bauer, Rev. C. H., B.A. Prof.

History

Somers, Rev. H. J., Ph.D. Cath.
U. Amer., F.R.Hist.S. Prof.
MacDonell, Rev. M., M.A. Tor.
Prof.

St. Veronica, Sister, M.A. Cath. U.
Amer. Prof.

Mathematics

McKenna, Rev. L. G., M.A. Prof.

Music

Lee, J., F.R.C.O. Prof.

Philosophy

MacEachern, Rev. M., D.D.
Montr., Ph.D. Louvain Prof.

Physics

Nicholson, Rev. P. J., M.A., Ph.D.
J. Hopk. Prof.

Tobin, Rev. C., M.A.	Prof.	MacPherson, Rev. H., D.D.	Urb.
Clarke, Rev. E. M., B.Sc.		Rome	Asst.
	Asst. Prof.	MacIntyre, A. S.	Field Sec.
		MacPherson, Rev. H., Ph.D.	
			Consultant.
		MacCormack, Rev. D., D.D.	Lectr.
		Cameron, Zita O'H., M.A.	
			Secretary.
		Fraser, Sally	Asst. Sec.
		Michael, Sister M., B.A.	Librarian.
		Anselm, Sister M.	Asst. Libr.
		5 Field Workers.	

Extension Department

Coady, Rev. M. M., D.D.	Urb.,
Rome, Ph.D.	Coll. St. Thos.,
Rome, LL.D.	Boston Coll. and
Ohio	Director.
Laidlaw, A., M.A., B.Pæd.	
	Asst. Director.

GENERAL INFORMATION

Full University powers were conferred upon St. Francis Xavier in 1866. A new Charter was granted in 1909. The University is under the direction of the Catholic Church, but there are no religious tests for entrance or for degrees. Permanent buildings were begun in 1880. In 1919 Dr. Neil MacNeil of Dorchester, Mass., in addition to many previous large benefactions, transferred the whole of his estate to the Univ., and it is anticipated that ultimately over \$500,000 will be realized from it.

In 1894 Mount Saint Bernard College for Women, founded in 1883, was affiliated with the University.

SCHOLARSHIPS, ETC. Knights of Columbus scholarships, 10 to 12 annually, \$200 each; several Rev. R. McInnis scholarships of \$200 and under each; 4 French scholarships annually, \$200 each; also various other scholarships, bursaries, and prizes.

LIBRARY, 52,000 vols. **LABORATORIES**: Biol., Chem., Geol., Phys., Engin.

COURSES. 4 yrs., B.A., B.Sc., B.Sc. Home Econ.; 5 yrs., B.Sc. Nursing; 3 yrs., Engineering; 1 yr. postgraduate Teacher-training course.

The B.A. degree is recognized as equivalent to the French Bachelier ès Lettres.

By an agreement with the Nova Scotia Technical College the Univ. confines its work in Engineering to the first 3 yrs. of the 5 yrs.' course. Students who successfully complete the Univ. course may proceed without examination to the Technical College for the professional work of the last 2 yrs. A similar concession is granted to engineering students by other technical colleges in Canada and in the United States, and at McGill Univ. they are admitted to the 3rd yr. of the Faculty of Applied Science.

PHYSICAL TRAINING. Gymnasium, skating rink, stadium.

PUBLICATIONS. *Calendar* (July); *Xavierian*, weekly; *Alumni News*, three times yearly.

THE YEAR 1946-47

BENEFACTIONS. \$17,000.

NEW BUILDINGS. Cameron Hall, housing 200 students, is divided into four independent sections which have been named respectively, MacDonald, Thompson, Tompkins, and MacPherson. It is Georgian Colonial type architecture, constructed of sandstone obtained from local quarries. The fire-proof building is four floors in height, each floor of each section providing

accommodation for 14 students. Engineering Building.—This one-storey building, equipped with the most modern facilities, houses the classrooms and laboratories of the Engineering Dept. The Draughting room can accommodate at one time 85 students at drawing tables. Instruction is given through a public address system. Facilities are also provided for broadcasting radio programmes by remote control through the University's own radio station CJFX. Apartment Building for married war veteran students.—This enterprise was undertaken to enable 18 married veterans to bring their wives and children to the University town which has been taxed to capacity by the large increase in enrolment in the post-War years.

STUDENTS. Registration for year, 822, including 110 women and 31 graduates. Several thousand men and women, members of various study clubs and co-operatives under direction of Extension Department, received instruction by lectures, mimeographed material, and pamphlets.

DEGREES. B.A , 35 ; B.Sc., 66.

UNIVERSITY OF SASKATCHEWAN

SASKATOON

Founded 1907

VISITOR—Hon. J. T. M. PARKER.

CHANCELLOR—F. HEDLEY AULD, LL.D.

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B.A., LL.B.

PRESIDENT AND VICE-CHANCELLOR—JAMES S. THOMSON, M.A. Glas.,
D.D. Tor. & Glas., LL.D. State Coll., Washington, Qu., Tor.,
McG., McM., F.R.S.C.

REGISTRAR—A. R. WEIR, B.A.

TEACHING STAFF

Accounting

Thompson, J. H., B.Acc. Prof.
Goodspeed, Georgia, B.Acc. Asst. Prof.

Agriculture, v. infra

Anatomy

Jackson, J. L., M.A. Alta., M.B., Tor. Prof.
Altschul, A., M.U.Dr. Prague Assoc. Prof.

Art

Snelgrove, G. W., M.A. Chicago, Ph.D. Lond. Prof.

Bacteriology

Rea, G. W., M.B., Ch.B., D.P.H. Belf., B.Bact. Lond. Prof.

Biochemistry

Collier, H. B., M.A., Ph.D. Tor. Prof.
Hawkins, W. W., B.A., M.Sc. Dal. Asst. Prof.

Biology

Thompson, W. P., M.A. Tor., Ph.D. Harv., F.R.S.C. Prof.
Vanterpool, T. C., M.Sc. McG. Prof.

Rawson, D. S., Ph.D. Tor. Prof.
Saunders, L. G., M.Sc. McG., Ph.D. Camb. Prof.
Arnason, T. J., Ph.D. Wisc., M.Sc. Assoc. Prof.
Rempel, J. G., Ph.D. Cornell, M.Sc. Assoc. Prof.

Chemistry

Thorvaldson, T., D.Sc. Manit., Ph.D. Harv., F.R.S.C. Prof.
Spinks, J. W. T., B.Sc., Ph.D. Lond. Prof.
Van Cleave, A. B., M.Sc. Sask., Ph.D. McG. and Camb. Assoc. Prof.
McCallum, K. J., Ph.D. Columbia, M.Sc. Assoc. Prof.
Spencer, E. Y., M.Sc. Alta., Ph.D. Tor. Assoc. Prof.
Pepper, J. M., M.A. Br. Col., Ph.D. McG. Assoc. Prof.

Classics

Leddy, F. J., B.Litt., D.Phil. Ox., M.A. Prof.
Ferguson, R. M., M.A. Dub. Prof.
Conacher, D. J., M.A. Qu. Asst. Prof.

Economics

- Britnell, G. E., M.A., Ph.D. Tor.,
B.A. Prof.
Fowke, V. C., Ph.D. Washington,
M.A. Assoc. Prof.
Timlin, Mabel F., Ph.D. Washing-
ton, B.A. Assoc. Prof.
Allely, J. S. M., A.M. Harv., B.A.
Qu. Assoc. Prof.
Reid, A. N., M.A. Qu. Asst. Prof.
Cullinane, E. A., M.A. W. Ont
Asst. Prof.

Education

- Laycock, S. R., B.A. Tor., M.A.,
M.Ed. Alta., Ph.D. Lond.
Prof.
McIntosh, J. R., Ph.D. Col., B.A.,
M.Ed. Prof.
Toombs, M. P., M.A., M.Ed.
Assoc. Prof.
Langley, G. J., B.A., M.Ed.
Asst. Prof.

*Engineering, v. infra**English*

- Lothian, J. M., M.A. Glas Prof.
King, C. A., Ph.D. Tor.
Assoc. Prof.
McCourt, E. A., B.A. Alta., M.A.
Ox. Assoc. Prof.
Cameron, D. D., B.A. Acadia, M.A.
Harv., Ph.D. Yale
Assoc. Prof.
Bentley, J. A., M.A. Dal., Ph.D.
Harv. Asst. Prof.

French

- Cameron, Margaret, M.A. McG.
and Rad., D. de l'U. Paris
Prof.
Bujila, Mrs. B., M.A. Col., Ph.D.
Mich. Asst. Prof.

Geology

- Mawdsley, J. B., B.Sc. McG.,
Ph.D. Princet., F.R.S.C. Prof.
Edmunds, F. H., M.Sc. Liv. Prof.
Byers, A. R., B.Sc., Ph.D. McG.
Asst. Prof.

German

- Anstensen, A., M.A., Ph.D. Col
Prof.
Gunvaldsen, K. M., M.A. Wisc.
Asst. Prof.

History

- Simpson, G. W., M.A. Tor., B.A.
Prof.
Eastman, S. M., Ph.D. Col
Assoc. Prof.
Mallon, Rev. J. P., M.A. Tor., D.
del'Univ. Laval Assoc. Prof.
Neatby, Hilda, Ph.D. Minn., M.A.
Assoc. Prof.
Murray, Jean E., M.A. Tor., Ph.D.
Chic., B.A. Asst. Prof.

Household Science

- Hunt, Hope, B.A. Tor., M.Sc. Col.,
Ph.D. Minn. Prof.
Wilmut, Helen G., M.A. Chic.
Assoc. Prof.
Davis, Lorna, M.A. Tor. Asst. Prof.

Law

- Cronkite, F. C., M.A., LL.B.
Harv., K.C. Prof.
Whitmore, E. F., LL.B. Prof.
Lederman, W. R., B.A., LL.B.
Asst. Prof.

Mathematics

- Ferns, H. H., Ph.D. Tor., M.A.
Prof.
Miller, C. E., B.A., M.A., Ph.D.
Tor. Prof.
Scherk, P., Ph.D. Göttingen
Assoc. Prof.
Kozakiewicz, W., M.A., Ph.D.
Warsaw Assoc. Prof.
Crosby, W. J. R., M.A., Ph.D. Tor.
Asst. Prof.

Music

- Macrae, J. D., B.Mus. Durh.,
F.R.C.O. Prof.

Nursing

- Ellis, Kathleen W., B.Sc. Col.
Prof. and Dir. of Nursing
Educ.

Pathology

- Lindsay, W. S., O.B.E., B.A. Dal.,
M.A., Ch.B. Edin. Prof.
Moore, D. F., M.D., B.Sc. Tor. Prof.
Adams, J. W., M.D. Tor. Asst. Prof.

Pharmacy

- MacAulay, W. M., M.Sc. Purdue,
B.S.P. Prof.
Jeffrey, J. G., B.S.P. Asst. Prof.

Philosophy

- Bateman, J. V., M.A. Dub., Ph.D.
Edin. Prof.
Carr, Rev. H., B.A., LL.D. Tor. Prof.
Miller, Rev. R. G., M.A., Ph.D.
Tor. Asst. Prof.
Paton, R., B.A., B.D., Ph.D. Asst. Prof.

Physics

- Harrington, E. L., A.M. Harv.,
Ph.D. Chic., F.R.S.C. Prof.
Mackay, C. A., M.A. Dal., Ph.D.
Princet. Prof.
Currie, B. W., Ph.D. McG., M.Sc.
Prof.
Haslam, N. H., Ph.D. McG., M.A.
Assoc. Prof.
Katz, L., B.A., M.A. Qu., Ph.D.
Calif. Inst. of Tech. Assoc. Prof.
Petrie, W., B.A. Br. Col., Ph.D.
Harv. Assoc. Prof.
Johns, H. E., B.A. McM., M.A.,
Ph.D. Tor. Assoc. Prof.

Physiology

- Jacques, L. B., M.A., Ph.D. Tor.
Hd. of Dept. and Prof.
Millar, G. J., B.A. Tor. Asst. Prof.

Political Science

- Britnell, G. E., M.A., Ph.D. Tor.,
B.A. Prof.
Cullinane, Rev. E. A., M.A. W.
Ont. Asst. Prof.

Psychology

- Cook, T. W., B.A. Acadia, Ph.D.
Yale Prof.

Slavic Studies

- Andrusyshen, C. H., M.A. Manit.,
Ph.D. Tor. Asst. Prof.

*Agriculture**Agriculture*

- Patterson, C. F., B.S.A. Tor.,
Ph.D. Ill. Lectr.

Animal Husbandry

- Ewen, A. H., M.A. Aberd., B.Sc.
(Agr.) Edin Prof.
Weir, J. A., B.S.A., M.Sc. Assoc. Prof.

Bacteriology, Agric.

- Graham, V. E., Ph.D. Wisc.,
B.S.A. Prof.

Dairying

- [Prof
Graham, V. E., M.Sc. Wisc., B.S.A.
Gibson, D. L., B.S.A. Manit., M.Sc.
Minn., Ph.D. Minn. Prof

Farm Management

- Van Vliet, Hadley, M.Sc. Prof.

Field Husbandry

- [Prof.
Champlin, M. J., M.Sc. S. Dak.
Harrington, J. B., Ph.D. Minn.,
B.S.A. Prof.
Shebeski, L. R., B.S.A., M.Sc.
Man. Asst. Prof.

Horticulture

- Patterson, C. F., B.S.A. Tor.,
Ph.D. Ill. Prof.

Mechanics, Agric.

- Hardy, E. A., M.S. Ames Prof.

Plant Ecology

- Pavlychenko, T. K., Ph.D. Neb.,
M.Sc. Prof.

Poultry Husbandry

- Rae, W. J., B.S.A. Manit., M.Sc.
Wisc. Prof.
O'Neil, J. B., M.S.A. Br. Col.
Asst. Prof.

Soils

- Mitchell, J., Ph.D. Wisc., B.S.A.
Prof.

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Sask. Asst. Prof.	Lovell, W. E., B.Sc. E.E. Manit.
<i>Veterinary Hygiene</i>	Prof.
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Prof. and Director of Lab.	D.I.C. Lond. Asst. Prof.
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Col. Assoc. Prof.	Fraser, I. M., B.Sc. McG. Prof.
Engineering	Hutcheon, N. B., M.Sc., Ph.D.
<i>Administration E.</i>	Lond. Prof.
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Humphrys, J. M., M.Sc., Ph.D.	<i>Mining and Metallurgy</i>
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Prof.	Harv., D.Sc. Manit. Prof.
Atkinson, A. L. C., B.Sc. Durh.	Byers, A. R., B.Sc., Ph.D. McG.
Prof.	Asst. Prof.

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ST THOMAS MORE COLLEGE

Principal and Prof. of Philosophy—Rev. H. Carr, B.A., LL.D. Tor. *French*, Rev. P. Mallon, M.A. Tor., D. de l'Univ. Laval. *Econ. and Pol. Sc.*, E. A. Cullinan, M.A. W. Ont., Prof. *English*, Rev. J. L. O'Donnell, M.A. W. Ont. *History*, Rev. L. J. Munnely, M.A. Tor. *Psychol. and Philos.*, Rev. R. G. Miller, Ph.D. Tor. Adviser to Women, Mrs. B. Bujala, M.A. Col., Ph.D. Mich.

Extra-mural Work

Agriculture. Director and Prof., J. G. Rayner, B.S.A. Manit.; Asst. Director and Prof., K. W. Gordon, B.S.A. Manit., Supervisor of Clubs, Prof. D. R. Robinson, B.S.A.

Arts. Correspondence courses in Econ., English, French, German, Hist., Maths., Polit. Sci., Psychology.

AFFILIATED COLLEGES, ETC.

EMMANUEL COLLEGE, estab'd. 1879 for training native helpers at Prince Albert, transferred to its present site in the Univ. grounds in 1909. Courses for Testamur, Lic.Th., B.D. Principal, Rev. S. C. Steer, M.A., D.D.

ST. CHAD'S COLLEGE, Regina, estab'd. 1907. The Council of the College is authorized by Statutes of the Province to confer the degrees L.Th., B.D., D.D. A pass course for Testamur and General Synod course for L.Th. are provided. Chancellor, The Rt. Rev. E. H. Knowles, LL.B., D.D., Bishop of Qu'Appelle. Warden and Registrar, The Venerable Archdeacon W. Jackson, D.D.

ST. ANDREW'S COLLEGE, Saskatoon, estab'd. 1912. Authorized to confer degrees in Divinity. Principal, Rev. A. B. B. Moore, B.A., D.D.

LUTHERAN COLLEGE AND SEMINARY, Saskatoon, incorporated 1924. Authorized to confer degrees in Theology. President and Dean, Rev. N. Willison, B.A., S.T.M., B.D., Litt.D., D.D.

JUNIOR COLLEGES—Regina College; Champion Coll., Regina; Sacred Heart Coll., Regina; St. Peter's Coll., Muenster; Luther Coll., Regina; Central Collegiate, Moosejaw.

AFFILIATED SOCIETIES. College of Physicians and Surgeons; Law Society; College of Dental Surgeons; Pharmaceutical Assn.; Assn. of Registered Nurses; Veterinary Assn.; Assn. of Architects; Inst. of Chartered Accountants; Land Surveyors; Registered Music Teachers' Assn.; Council of Optometry; Assn. of Professional Engineers; Inst. of Agrolgists.

GENERAL INFORMATION

Established by Act of the Provincial Legislature in 1907, the Univ. opened classes in Arts and Sciences in 1909. For early history and constitution, see *Yearbook* for 1929. The site includes 1340 acres devoted to Agric. Education and Research, and a campus of 300 acres with a half-mile river frontage. The land, buildings, and equipment cost about \$4,000,000. The maintenance of the Univ. is partially provided for by assignments of revenue and legislative grants. The annual budget is about \$2,000,000.

The University conducts the LICENCE EXAMINATIONS for the following professions:—Medicine and Surgery, Law, Dentistry, Accounting, Archit., Nursing, Vet. Sci., Optometry, Pharmacy, Land Surveying.

LIBRARY, 103,000 vols. LABORATORIES: Chem., Phys., Biol., Bact., Anat., Physiol., Engin., Geol., Field Husbandry, Agric. Engin., Animal Diseases, Dairy, Soils, Horticulture Farm (830 a.). Agric. Experimental Fields (450 a.). Special provision for research in the various branches of Agriculture. OBSERVATORY.

FACULTIES. Arts and Science, Agric., Law, Engin., Pharm., Med. Sci., Educn., Household Sci., Phys. Educn., Nursing, Graduate Studies, Commerce.

DEGREE COURSES. B.A., B.Sc., B.Comm., B.S.P. (Pharm.), B.S.A. (Agric.), B.E. (Engin.), B.H.Sc (Household Sci.), B.Mus., B.Ed., 4 yrs.; LL.B., 3 yrs.; combined B.A. and B.S.A., B.A. and LL.B., B.A. and B.Comm., B.A. and B.E., 6 yrs.; B.S.N. (Nursing), 5 yrs. This Univ. has the sole right to confer degrees (other than Theol.) in the Province.

HIGHER DEGREES. M.A., M.Sc., M.Ed.—examn. open to Bachelors of 1-yr. standing.

DIPLOMAS AND CERTIFICATES. A 2-yr. course in Arts, designed specially for Junior Colls, leads to the "Associate in Arts." A 2-yr. course in Agric. leads to the "Associate in Agric." A 1-yr. certifi. course in Education for graduates in Arts and Science, Agric., Engin., Accounting or Household Sci. A 2-yr. course is given in the MEDICAL SCHOOL (preclinical, including Anat. and Physiol.). A course is given for Laboratory Technicians.

OTHER COURSES. Practical course for young farmers (1 or 2 yrs.), at University Farm School. Summer School in co-operation with Provincial Department of Education. Short Courses on Agricultural and allied subjects. Short courses for professional groups.

FEES Tuition p a. for degree course in Agric., \$125; Engin. \$200; Comm., 1st yr., \$125, 2nd and 3rd yrs, \$175; Educn., \$125; Pharm., \$175; Med., \$275; Arts and Sci., \$125; Graduate, \$125; Household Sci., \$150; Law, \$175; Nursing, \$125; School of Agric., \$40.

SCHOLARSHIPS FOR GRADUATES. Four Saskatchewan Government Research Fellowships of \$750 each; two I.O.D.E. Scholps., \$1500 and \$500; Consolidated Mining and Smelting Fellowship for grads. in Sci., Engin., or Agric., valued at \$750 plus \$450 for equipment; National Research Council Bursaries of the value of \$450, Scholps. of the value of \$750, and Fellowships of the value of \$900 to qualified grads. in Biol., Chem., Engin., Geol., Metall., Mineral., Physics and Maths.; Agricultural Research Foundation Scholp., \$800; a number of Graduate Student Assistantships in Agric. of the value of \$1125 ea.

RESIDENCE. Hostels for 170 men and 90 women. Board and room fees, \$40 per month.

UNIV. EXTENSION. In Farming and Household Sci. short courses by itinerant lecturers at local centres. Annual convention (one week) in winter; 6 weeks' course in summer for teachers and others at the Univ. Bulletins, fairs, and shows.

EXTRA-MURAL WORK. Correspondence Courses, Short Courses, Home-makers' Courses, Musical Festivals, Night Classes, Summer School.

PUBLICATIONS. *Calendar* (April); *Agric. Bulletins*; *Sheaf*; *President's Report*; *Greystone*.

THE YEAR 1946-47

BENEFACTIONS. Saskatchewan Co-operative Wheat Producers Ltd., \$7500; Rockefeller Foundation—Drama, \$7691; Canada Malting Co., \$1000; Consolidated Mining and Smelting Co., \$1143.09; J. S. McLean, \$1000; National Council of Jewish Women, \$2000; John Peters, \$1000; John and Mary R. Markle Foundation, \$2000; Canadian Seed Growers' Assocn., \$2000; B. J. Sanderson Estate, \$1600; F. J. Fear, \$1000.

RETIREMENTS. Dean F. M. Quance (Educn.); Dean Arthur Collingwood (Music); Prof. W. G. Worcester (Ceramic Engin.); Prof. J. A. Sharrard (Philos.); Prof. Norman Wright (Vet. Med.).

HONORARY DEGREES CONFERRED. *D.C.L.*—The Hon. Donald Maclean, for outstanding public services, especially in this University; *LL.D.*—Ethel Margaret Coppinger, for eminent leadership in public education; Frank Cyril James, for meritorious public service and leadership in higher education; Richard Albert Wilson, for distinguished contributions to the study of language, and faithful service in this University

STUDENTS. Full-time: 4195, including 78 graduates; part-time: 5945.

DEGREES OBTAINED. B.A., 246; B.S.A., 22; B.E., 84; B.S.P., 13; B.Comm., 39; B.Acc., 13; B.H.Sc., 28; B.Ed., 23; B.Mus., 3; B.S.Nsg., 11; LL.B., 7; M.A., 8; B.Sc., 11; M.Ed., 1; total, 509.

UNIVERSITY OF TORONTO

TORONTO 5, ONTARIO

Founded 1827

with which are federated

VICTORIA UNIVERSITY, TORONTO,
THE UNIVERSITY OF TRINITY COLLEGE, TORONTO,
ST. MICHAEL'S COLLEGE, TORONTO, and
KNOX, WYCLIFFE, and EMMANUEL COLLEGES.

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ASSISTANT DIRECTOR OF UNIVERSITY HEALTH SERVICE (WOMEN)—
FRANCES H. STEWART, M.A., M.D.

MANAGER OF THE UNIVERSITY OF TORONTO PRESS—A. G. BURNS, B.A.

Note.—In the following list the members of the staff in the Faculty
of Arts are indicated thus :

University College (C.).	Trinity College (T.).
Victoria College (V.).	St. Michael's College (M.).

TEACHING STAFF *

Accounting, v. Political Economy Brown, G. G., M.A., Ph.D.

Anthropology Assoc. Prof.

McIlwraith, T. F., M.A. Camb., F.R.S.C. Hd. of Dept. and Prof.	<i>Archæology</i> , v. Art and Archæo- logy
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* It has not been possible in this issue to include the names of those members:
of staff below the rank of Asst. Prof.

Architecture, v *infra*, Applied
Sci. and Engin.

Art and Archæology

Brieger, P. H., Ph.D. Breslau
Acting Hd. of Dept. and Prof.
Comfort, C. F. Assoc. Prof.
Graham, J. W., M.A. Acadia,
Ph.D J.H. Asst. Prof.

Astronomy

Hogg, F. S., A.M., Ph.D Harv.,
B.A.
Hd. of Dept, Prof. and
Dir of Observ.
Heard, J. F., B.A. W. Ont., M.A.
McG., Ph D. McG. and Lond.
Asst. Prof.
Williamson, R. E., A.B. Phillips,
A.M. Drake, Ph.D. Chic.
Asst. Prof.

Biology, v. *Zoology*

Botany

Jackson, H. S., A.B. Corn., Ph.D.
Wisc., F.R.S.C. (Mycol.)
Hd. of Dept. and Prof.
Sifton, H. B., M.A., Ph.D.,
F.R.S.C. (Ecology and Plant
Morph.) Prof.
Duff, G. H., M.A., Ph.D., F.R.S.C.
(Plant Physiol.) Prof.
Bailey, D. L., B.A. Qu., M.S.,
Ph.D. Minn., F.R.S.C. (Plant
Pathol.) Prof.
Coleman, L. C., C.I.E., Ph.D.
B.A. Gött. (Cytology) Prof.

Assistant Professors

Wright, Jessie G., M.A., Ph.D.
Lehmann, A. J. V., M.Sc. Alta
Hamly, D. H., M.A., Ph.D.
Forward, Dorothy F., Ph D Tor.
and Camb., M.A.
Bannan, M. W., B.A., Ph.D.
Soper, J. H., M.A. McM., Ph.D.
Harv.

Ceramics, v. *Engineering* (Met.)

Chemistry, v. also Eng., Food
Chem.

Gordon, A. R., O B.E., M A.,
Ph.D., F.R.S.C.
Hd. of Dept. and Prof.
Wright, G. F., M.B.E., B.S, Ph.D.
Iowa State Coll. Prof.
Beamish, F E., M.A. McM. Prof.
Burt-Gerrans, J. T, Phm.B., M.A.,
Ph.D. (Electro-C.) Prof.
Rogers, L. J., B A Sc., M.A.
(Anal. Chem) Prof.

Associate Professors

Ferguson, J B, B A., F.R.S.C.
Funnell, W. S., M.A.
Lorrman, F. R., B.E.M., M.A.,
Ph.D.
Wetmore, F. E. W., B.Sc. N.Br.,
M.A, Ph.D.
LeRoy, D. J., M.A, Ph.D.,
F.R.S.C.
Rae, J. J., B.A. McM., M.A., Ph.D.,
F.C.I.C. Asst Prof.
35 Assts.

Chinese Studies

White, Rt. Rev. W. C., B.D. W.
Ont, D.D. Trin., F.R.S.C.
Director of School and Prof.
Fernald, Helen E., A.B. Mt Holy-
oke Asst. Prof.
Shih, C. C., B.A. Peiping, B.D.
Hartford, M.A., Ph D. Chic.
Asst. Prof.

Classics

[Dir and Prof (C).
Norwood, G., M.A. Camb., D.Litt.
Wales, F.R.S.C.
Dale, E A., M.A. Ox.
Prof. (C. and T.).
Getty, R. J., B.A. Belf., M.A.
Camb. (Latin) Prof. (C).
Hamilton, D. E., M.A., D.Pæd.
Assoc. Prof. (C).
Tait, M. D. C., M.A. Ox.
Assoc. Prof. (C).
Bagnani, G., D.Litt. Rome (Anc.
Hist.) Asst. Prof. (C).
Wallace, W. P., B.A. Ox., Ph.D.
J. Hop., B.A. (Anc. Hist.)
Asst. Prof. (C).]

- Bennett, H., Ph.D. Chic., B.A.
Prof. (V.).
- Robertson, H. G., Ph.D. Chic.,
B.A. Prof. (V.).
- Woodside, M St. A, M A Ox,
B.A. (Anc. Hist.)
Assoc Prof (V).
- Robson, D O, B A, Ph D.
Assoc. Prof. (V.).
- Grube, G. M. A., M A. Camb
Prof. (T).
- Adams, S. M., M.A Prof. (T.).
- White, Miss M. E., M.A.
Assoc Prof. (T).
- Grant, W L., B.A. B.C., M.A.
Harv., Ph D. Asst Prof (T)
- Muckle, Rev. J. T., M.A. Cath. U.
Am, D.Litt W Ont, F.R.S.C
Prof (M).
- Kennedy, Rev. V. L., L ès L.
Stras, Arch.D. Rome, M.A
Prof. (M.).
- O'Toole, Rev. W. B, M.A.
Prof. (M.).
- O'Donnell, Rev J R., M.A., Ph.D.
Prof.
- St. John, Sister M, M.A
Assoc. Prof. (M).
- St. Stanislaus, Sister M., M.A.
Assoc. Prof. (M.).
- Dentistry, v. infra*
- Economics, v. Polit. Econ.*
- Education, v infra, Ontario Coll
of Education*
- Embryology, v. Zool.*
- Engineering, v. infra*
- English*
- Woodhouse, A. S. P., A M. Harv.,
B.A., F.R.S.C. Prof. (C.).
- Knox, R. S., M A. Aberd., B.A.
Ox. Prof. (C.).
- Macdonald, J. F., M A. Qu.
Prof. (C.).
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Ph.D. Harv. Prof. (C.).
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Ox. and Tor. Assoc. Prof. (C.).
- MacGillivray, J. R., Ph.D. Harv.,
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Ph D Harv.
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Ph D Asst. Prof. (C.).
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Cath. U Am., LL D. Ottawa,
B.A. Prof. (M.).
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Harv., Ph.D. Harv., B.A.
Prof. (M.).
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Manit. and Camb., Ph.D.
Camb. Prof. (M.).
- Fine Art, v. Art*
- Food Chemistry*
- Smith, M. Doreen, M.A., Ph.D.
Assoc. Prof.
- Walker, E. Isabel, M.A. Asst. Prof.

Forestry

Sisam, J. W. B., B.Sc F N. Br.,
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Prof.

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Michell, A. S., B.Sc.F. Asst. Prof.
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Mich. Asst. Prof.

French

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B.A. Prof. (C).
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Assoc. Prof. (C).
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A.M. Princet., Ph.D. Col.

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Ph.D. Col. Assoc. Prof. (C).
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Neuchâtel, M.A., Ph.D.

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Sorbonne, B.A.
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Denomy, Rev. A. J., B.A. W. Ont.,
Ph.D. Harv., M.A. Harv. and
Tor. Prof. (M).

Rush, Rev. E. L., B.A. W Ont.,
M.A. Col., Ph.D Laval
Prof. (M).

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Hd. of Dept. and Prof

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Asst. Prof.
Tatham, G., M.A. Liv., Ph.D.

Clark Asst. Prof.
Geological Sciences

Moore, E S, Ph.D. Chic., M.A.,
F.R.S.C. (Geol)
Hd of Dept and Prof

Langford, G B, Ph D Corn,
B.A.Sc., F.R.S.C. (Mining
Geol.) Prof.

Peacock, M. A., A.M. Harv., Ph.D.,
D.Sc Glas., F.R.S.C. (Crys-
tallog. and Mineral.) Prof.

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Fritz, Madeleine A., B.A. McG,
M.A, Ph D., F.R.S.C. (Palæ-
ontol.) Assoc. Prof.

Russell, L. S., B.Sc. Alta., M.A.,
Ph.D. Princet., F.R.S.C.
(Palæontol) Asst. Prof.

Meen, V. B., M A, Ph.D. (Miner-
alogy) Asst. Prof.
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Smith, F. G., B Sc, M.Sc. Manit.,
Ph.D. Asst Prof.

Geophysics

Wilson, J. T., B.A. Tor. and Camb,
M.A. Camb., Ph.D. Harv.
Prof.

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Assoc. Prof.
Hodgson, J. H., B.A., M.A.

Asst. Prof.
German

Fairley, Barker, M.A. Leeds, Ph.D.
Jena, F.R.S.C. Prof. (C).
Boeschstein, H., Ph.D. Rostock
Prof. (C).

Hedman, T., Ph.B. Chic.
 Assoc. Prof. (C.)
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 Assoc. Prof. (C.)
 Surerus, J. A., B.A. Prof. (V.)
 Arnold, R. K., Ph.D. Prague
 Assoc. Prof. (V.)
 Lewis, C., M.A. Ox. Prof. (T.)
 Scott, Laila C., M.A.
 Assoc. Prof. (T.)

Histology, v. Zoology

History

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Martin, Chester, M.A. Ox., LL.D.
 Manit. and N. Br., F.R.S.C.
 Hd. of Dept
 Flenley, R., M.A. Liv., B.Litt. Ox.,
 F.R.S.C.
 Underhill, F. H., M.A. Ox., B.A.
 Brown, G. W., M.A., Ph.D. Chic.,
 B.A., F.R.S.C.
 Wilkinson, B., M.A., Ph.D. Manc
 Glazebrook, G. P. de T., M.A. Ox.,
 B.A.
 Creighton, D. G., M.A. Ox., B.A.,
 F.R.S.C.

Associate Professors

McInnis, E. W., M.A. Ox., B.A.
 McDougall, D. J., M.A. Ox., B.A.
 Saunders, R. M., M.A. Clark, Ph.D.
 Corn.
 Preston, R. A., M.A. Leeds, Ph.D.
 Yale Asst. Prof.

History, Ancient, v. Classics

Household Science

Brodie, Jessie B., A.M., Ph.D. Col.,
 B.A. Hd. of Dept and Prof.
 Park, Edna W., M.A.
 Assoc. Prof.
 Roberts, Jessie S., M.Sc. Manit.,
 B.A. Asst. Prof.

Italian, Spanish and Portuguese
 Goggio, E., B.A., Ph.D. Harv.,
 M.A. Hd. of Dept. and Prof.

Patterson, G. C., M.C., B.A.
 Assoc. Prof.
 Cano, J., A.B. Tol., A.M., Ph.D.
 Col. Assoc. Prof.
 de Chasca, E., Ph.D. Chic.
 Assoc. Prof.
 Parker, J. H., M.A., Ph.D.
 Asst. Prof.

Law

Kennedy, W. P. McC., M.A.
 Dub. and Ox., LL.B., Litt.D.
 Dub., LL.D. Montr., F.R.S.C.
 Dean Sch. Law and Prof.
 Auld, F. C., K.C., B.A. McG., M.A.,
 B.C.L. Ox. Prof.
 Finkelman, J., K.C., M.A., LL.B.
 Prof.

Library Science, v. infra, Ontario
 Coll. of Education

Mathematics

Professors

Beatty, S., M.A., Ph.D., F.R.S.C.
 Dean Fac. Arts
 Pounder, I. R., Ph.D. Chic., M.A.
 Webber, W. J., B.A. Camb.
 Stevenson, A. F. C., M.A., Ph.D.
 Camb., F.R.S.C. (App. Maths.)
 Brauer, R., Ph.D. Berlin, F.R.S.C.

Associate Professors

Sheppard, N. E., M.A., F.I.A.
 Robinson, D. A. F., Ph.D. Chic.,
 M.A.
 Infeld, L., Ph.D. Cracow, F.R.S.C.
 (App. Maths.)
 Burke, J. D., B.A.
 Robinson, G. de B., M.B.E., Ph.D.
 Camb., B.A., F.R.S.C.
 Coxeter, H. S. M., B.A., Ph.D.
 Camb., F.R.S.C.

Assistant Professors

Griffith, B. A., M.A., Ph.D. (App.
 Maths.)
 Krieger, C. Cecilia, M.A., Ph.D.
 Baillie, D. C., M.A.

Medicine and Surgery, v. infra

Metallurgy, v. Engin.

Military Studies

Watson, M B, E D, m s.c.,
B.A.Sc, C.E., M.E.
Director and Asst. Prof.

Mineralogy, v. Geological Sciences

Music, v. infra, and Ontario
Coll. of Education

*Nursing, v. infra**Oriental Languages*

Taylor, W. R., D.D Qu. and Vic,
M.A., Ph.D. Prof. (C.).
Meek, T. J., B.D. McCorm, Ph D.
Chic, D.D Qu., B A, F.R.S.C.
Prof. (C.).
Winnett, F. V., M.A, Ph D.

Assoc. Prof. (C)
McCullough, W. S., M A, B.D.
Assoc. Prof (C.).
Williams, R. J., M.A, B D.
Asst. Prof (C).
Staples, W. E., M.A, Ph.D.
Prof. (V.).

Philosophy

Anderson, F. H., B.A. Dal., M.A,
Ph.D., F.R.S.C.
Hd. of Dept. and Prof.
MacCallum, H. R., B A. Qu. and
Ox., A.M. Harv. Prof.
McCurdy, W J, B A. Dal., A M.,
Ph.D. Harv. Assoc Prof.
Goudge, T. A, M.A. Dal., Ph.D.
Assoc. Prof.
Long, W. M. D., M A, Ph.D.
Asst. Prof.
Brown, W. T., Ph.D. Harv., M.A.
Tor. and Yale, LL.D. Manit.
and Amer. U. Prof. (V.).
Irving, J. A., M.A. Tor. and
Camb. Prof. (V).
Leslie, Rev. C. W., Ph.D. Harv.,
B.D., M.A. Assoc. Prof. (V.).
Edison, G., M A. Col., Ph.D.
Assoc. Prof. (T.).
Owen, Rev. D. R. G., M.A. Ox.,
B.A., Ph.D. Assoc. Prof. (T.).

Gilson, E, D. ès L. Paris, LL.D.
Aberd., Harv. and St. And.,
Ph.D Montr, Rome, and
Milan, D.Litt. Ox. Prof. (M.).
Maritain, J., Ag. de l'U. Paris
Pt-time Prof. (M.).
Sullivan, Rev B. F., M.A. Cath.
U. Am. Prof. (M.).
Dore, Rev. J. W, Ph.D. Ottawa,
B Pæd., M.A. Prof. (M.).
Pegis, A. C., M.A. Marq., Ph D.
President Inst. Med. Stud.
and Prof. (M.).
Eschmann, Rev. I. T., Ph D,
S T.D. Rome Prof. (M.).
Kelly, Rev. J. M, M A
Assoc. Prof. (M.).
Lynch, L E. M., M.A., L.M.S.,
Ph.D. Asst Prof.

Physics

Burton, E. F., O.B.E., B.A. Tor.
and Camb, Ph D., F.R.S.C.
Hd of Dept. and Prof.
Satterly, J., M.A. Camb., D.Sc.
Lond, F.R.S.C. Prof.
Ireton, H. J C., M.A., Ph.D. Prof.

Associate Professors

Ainslie, D. S., M.A., Ph.D.
Smith, H. G., M B.E., B.A., Ph.D.,
F R S C
Barnes, C., M.Sc. Leeds, Ph.D.
Crawford, M. F., B.A. W. Ont,
M.A., Ph.D., F.R.S.C.
Wilhelm, J. O., B.Sc. Sask., M.A.
Anderson, J. M., M.A, Ph.D.
McKay, R. W., M A., Ph.D.
Convey, J., M.Sc. Alta, Ph D.,
F.I.P.

Assistant Professors

Allin, Elizabeth J., M A., Ph.D.
Crossley, Kathleen M., B.A
Quinlan, Florence M., M.A, Ph.D.
Richmond, R., M.A., Ph.D.
Welsh, H. L., M.A, Ph D.
Misener, A D., Ph.D Camb., M.A.
Reekie, James, B.Sc. Edin, Ph.D.
Edin. and Camb., F.I.P.

Visiting

Political Economy

Professors

Innis, H. A., M.A. McM., Ph D.
Chic., LL.D. N. Br., Manit.
and McM., D. ès Sc Laval,
F.R.S.C.

Dean Sch. Grad Stud
and Hd. of Dept.

Ashley, C. A., B Com Birm

Bladen, V W., M.A. Ox, F R S C
Dir., Inst Indus. Relations.

Brady, A., B.A. Tor and Ox,
M.A., Ph D, F.R.S.C.

Dawson, R. MacG., M.A. Dal.,
A.M. Harv., D.Sc. Lond.,
F.R.S.C.

Elliott, G. A., M.A. Manit.,
F R S C

Logan, H. A., B.A. Acadia, A.B.
Yale, Ph D Chic, F.R.S.C.

Riddell, W. A., B.A. Manit., M.A.,
Ph D. Col, LL.D. Manit.

(Internat. Relations) Prof.

Associate Professors

Crocombe, F. R., M.A. Camb.
(Acc)

Hart, C W M., M.A. Syd.

MacGregor, D C., B.A.

Morgan, L. T., B.A. Br Col, M.A.,
Ph.D. Calif.

Assistant Professors

Buck, F. H., B Com.

Clark, S D, M.A. Sask and McG,
Ph D (Sociol).

Currie, A. W., B.A., B Com. Qu.,
D.Com Sci. Harv.

Hennessey, S. G., B.Com.

Macpherson, C. B., M.Sc. (Econ.)
Lond, B A

Visiting Assistant Professor

Easterbrook, W T., Ph.D.

*Portuguese, v. Italian**Psychology*

Bott, E. A., O.B.E., B.A.

Hd. of Dept. and Prof.

Blatz, W. E., Ph.D. Chic., M.A.,
M B.

Dir Inst Child Study, Prof
Line, W., O.B.E., B.Sc. Mt. A.,
M A, M.Ed Alta., Ph D

Lond.
Bernhardt, K. S., Ph.D. Chic.,
M.A. Prof.

Ketchum, J. D., M.A.

Assoc Prof.
Myers, C. R., M.A., Ph D

Assoc. Prof.
Northway, Mary L., M.A., Ph.D.

Asst. Prof.
Salter, Mary D., M.A., Ph D

Asst. Prof.
Haagen, C. H., Ph.D. Iowa

Asst. Prof.

Religious Knowledge, v. infra,
Federated Colls.*Social Science, v. Pol. Econ. and*
School of Social Work*Spanish, v. Italian**Zoology*

Walker, E. M., B.A., M.B.,
F R S C. (Inv Zool.)

Hd. of Dept. and Prof.
Huntsman, A. G., B.A., M.D.,
F.R.S.C. (Marine Biol.) Prof.

Dymond, J R., O.B.E., M.A.,
F R S C. (Syst. Zool.) Prof.

Coventry, A. F., B.A. Ox. (Vert.
Embry.) Prof

MacArthur, J. W., B.A. Ober.,
M.A. Wabash, Ph.D. Chic.,
F R S C (Genetics) Prof

Baillie, W. H. T., M.A., M.D.
(Mamm. Anat.) Prof.

Craigie, E H, B.A., Ph.D.,
F R S C. (Comp. Anat. and
Neur.) Prof.

Harkness, W. J. K., M.A. (Limnol.)
Assoc. Prof.

Walker, Norma Ford, B.A., Ph.D.
(Human Biol.) Assoc. Prof.

Atwood, C. E., B S.A. McG.,
M.S.A., Ph.D. Asst. Prof.

Fisher, K. C., B.A. Acad., M.A.,
Ph D. (Physiol Zool.)

Asst Prof

Fry, F. E. J., M.B.E., M.A , Ph.D.

Asst. Prof.

Ide, F P., M A , Ph D. (Entomol)

Asst. Prof.

Langford, R. R., B Sc. Sask.,

Ph D Asst Prof.

Applied Science and Engineering

Young, C. R., D.Eng Stevens,

D ès Sc A. Montr., B.A Sc.,

C.E. Dean.

Wilson, W. S , E D , B.A.Sc

Asst. Dean and Sec.

Aeronautical E.

Loudon, T. R., V.D., B A.Sc.

Hd. of Dept. and Prof.

Patterson, G. N., B.Sc. Alta., M.A ,

Ph D. (Aerodynam.) Prof.

Architecture

Madill, H. H., O.B.E., V.D.,

B.A.Sc.

Hd of School and Prof.

Arthur, E R., M.A., B Arch. Liv.,

F.R.I.B.A. Prof.

Carswell, W. E , B.Arch.

Asst Prof.

Barker, R J. K., B.Arch.

Asst Prof.

Raymore, W. G., B.Arch.

Asst Prof

Chemical E. and Appl. Chemistry

McLaughlin, R. R., M.A.Sc., M.A.,

Ph.D. Hd. of Dept. and Prof.

Smith, E. A., M.A. McM. Prof.

Macdonald, W. C., M.A.Sc.

Assoc. Prof.

Breckenridge, J. G , Ph.D. Camb.,

B.A Sc. Assoc Prof.

Minard, G. W., Ph.D. Ohio State

Asst. Prof.

Civil E. : Municipal and Struct

Loudon, T. R , V.D., B.A.Sc.

Hd. of Dept. and Prof.

Morrison, C. F., B.E. Sask., M.Sc.

McG. Assoc. Prof.

Sagar, W. L., B.A.Sc., C.E.

Assoc. Prof.

Berry, A. E , M.A Sc., C.E., Ph D.

(Pt.-time) Assoc. Prof

Helwig, C E., M.A.Sc. Asst. Prof.

Huggins, M. W., M.A.Sc.

Asst. Prof.

Civil E , Surveying and Geodesy

Treadgold, W. M., B.A.

Hd of Dept. and Prof.

Marshall, O J., B.A Sc., C E.

Prof.

Melson, J. W , B A.Sc

Assoc. Prof.

Electrical E.

Tracy, G. F., M.S. Mass. Inst.

Tech , B.A Sc

Hd. of Dept. and Prof.

Zimmer, A. R., B.A.Sc. Prof.

Bayly, B. de F., O.B.E., B.A.Sc.

Prof.

Smith, V. G., B.A.Sc. Prof.

Reid, J. E., B.A.Sc. Assoc. Prof.

Cass-Beggs, D. N., B.Sc.Tech.

Manc. Asst. Prof.

Lauchland, L. S., E.D., M A.Sc.

Asst Prof.

Reid, J. E., B.A.Sc. Asst. Prof.

Sinclair, G., Ph.D. Ohio State

Asst. Prof.

Engineering Drawing

Cockburn, J. R., M C., V.D.,

B.A.Sc.

(Descr. Geometry) Hd of

Dept. and Prof

Wright, W. J. T., M.B.E., B.A.Sc.

B.A. (Eng. Drawing) Director

of Studies, Ajax Div. Prof.

Dunbar, W. B., B.A.Sc.

Assoc. Prof.

Wardell, A., B.A.Sc. Assoc. Prof.

Jermyn, P. V., B.A.Sc.

Asst. Prof.

General Studies

Shepherd, H. L., B A Sc.

Asst. Prof.

Mechanical E.

Allcut, E. A., M.Sc. Birm., M.E.

Hd. of Dept. and Prof.

Lord, G. R., M.S. Mass. Inst. Tech.,
B.A.Sc., Ph.D. Assoc. Prof.
McIntosh, W. G., B.A.Sc.
Assoc. Prof.

Wiren, R. C., B.A.Sc.
Assoc. Prof.
Ewens, F. G., M.A.Sc. Asst. Prof.
Jones, L. E., B.Sc., C.E. Manit.,
M.A.Sc., Ph.D. Asst. Prof.
Smith, I. W., B.A.Sc. Asst. Prof.

Metallurgical E

Pidgeon, L. M., B.A. Manit., B.Sc.
Ox., Ph.D. McG.
Hd. of Dept. and Prof.
Corbett, P. M., B.S. Ill., M.S.
Penn. State Coll.
Assoc. Prof.
Toomer, J. E., B.Sc. N. Carolina.
Asst. Prof.

Mining E.

Williams, C. G., B.A.Sc. Prof.
Barrett, R. E., B.Sc. McG. Prof.
Wolfe, S. E., M.A.Sc.
Assoc. Prof.
Hewer, W. A. M., B.A.Sc.
Asst. Prof.

Physics, Applied

Jackson, K. B., B.A.Sc.
Hd. of Dept. and Prof.
Henderson, V. L., A.M. Mich.,
B.A.Sc. Asst. Prof.

Medicine

(for subjects of the 2 premedical
yrs, v *supra*)

MacFarlane, J. A., O.B.E., B.A.
Sask., M.B., F.R.C.S. Eng.,
Edin. and Can. Dean

Anatomy, v. also Biol.

Grant, J. C. B., M.C., M.B., Ch.B.,
F.R.C.S. Ed.
Hd. of Dept. and Prof.
Watt, J. C., M.A., M.D. Prof.
Cates, H. A., M.B. Prof.
Ham, A. W., M.B. Prof.
George, R. K., B.A., M.B., D.P.H.
Asst. Prof.

Smith, C. G., M.Sc. W. Ont., B.A.,
M.D., Ph.D. Assoc. Prof.

Bacteriology, v. Pathology

Biochemistry

Wasteneys, H., Ph.D. Col.,
F.R.S.C.

Hd. of Dept. and Prof.
Wynne, A. M., M.A. Qu., Ph.D.,
F.R.S.C. Prof.

Butler, G. C., B.A., Ph.D.
Assoc. Prof.
Crocker, B. F., M.A., Ph.D.
Asst. Prof.

Gynaecology, v. Obstetrics

Hygiene and Preventive Med., v. also Schl. of Hygiene, infra

Fraser, D. T., M.C., B.A., M.B.,
D.P.H., F.R.S.C.

Hd. of Dept. and Prof.
Brown, M. H., O.B.E., M.D., B.Sc.
(Med.), D.P.H. Prof.

Defries, R. D., M.D., D.P.H. (Hyg.
and Epidemiol.) Prof.
Fraser, Frieda H., B.A., M.B.

Assoc. Prof.
Wishart, F. O., M.A., M.D.,
D.P.H. Assoc. Prof.

Medical Research (Banting— Best Med. Res.)

Best, C. H., C.B.E., D.Sc. Lond.,
Ox., Paris and Chic., Sc.D.
Camb., M.D., M.A., F.R.S.,
F.R.S.C., F.R.C.P. Can.

Director and Prof.

Fischer, H. O. L., Ph.D. Jena
(Synthetic Chem.) Prof.

Chute, A. L., Ph.D. Lond., M.A.,
M.D. Assoc. Prof.

Franks, W. R., O.B.E., M.A., M.B.
Prof.

Lucas, C. C., M.A.Sc. Br. Col.,
Ph.D. Prof.

Mendel, B., M.D. Berlin (Cellular
Physiol.) Prof.

Baer, E. E. F. T., Ph.D. Berlin
(Synthetic Chem.)

Assoc. Prof.

McArthur, C S, B.A., M.Sc. West.,
Ph.D. Asst. Prof.
MacDonald, S. F., Dr. Rer. Nat.
Munich, M.A. Asst. Prof.
Hartroft, W S., M.D. Alta, B Sc
(Med.) Asst. Prof.
Wrenshall, G. A., M.Sc. Sask.,
Ph.D. Yale, M.A Asst. Prof.

Medicine

Farquharson, R. F., M.B.E., M.B.,
F.R.C.P. Can.
Hd. of Dept and Prof.

Assistant Professors

Armour, R. G., B.A., M.B.,
F.R.C.P. Can. (Neurol.).
Brooks, E. F. J., M.D.
Campbell, W. R., M.A., M.D.,
F.R.S.C., F.R.C.P. Can
Detweiler, H. K., M.D., F.R.C.P.
Can., F.A.C.P.
Hepburn, J., M.B., F.R.C.P. Can.
Kerr, R. B., M.A., M.D.
Owen, T., M.B., F.R.C.P. Can. and
Lond.
Trow, E. J., M.B., F.R.C.P. Can.
(Dermat.).

Obstetrics and Gynæcology

Van Wyck, H. B., B.A., M.B.,
F.R.C.O.G., F.R.C.S. Can.
Prof.
Armstrong, L. T., M.B.
Asst. Prof.
Cosbie, W. G., M.C., M.B.,
F.R.C.O.G. Eng., F.R.C.S.
Can. Asst. Prof.
Low, D. M., M.B., F.R.C.S. Can.
Asst. Prof.
O'Leary, F. J., M.B. Asst. Prof.

Ophthalmology

Elliot, A. J., B.A. Br.Col., Med.
Sc.D. Col., D.O.M.S. Lond.,
M.D. Hd. of Dept. and Prof.
MacDonald, A. E., M.D., F.R.C.S.
Can., D.O.M.S. Asst. Prof.
Morgan, A. L., M.D. Asst. Prof.

Oto-Laryngology

Ireland, P. E., M.D.
Hd. of Dept. and Prof.

Pathological Chemistry

Dauphinee, J. A., O.B.E., M.A.
Br.Col., M.D., Ph.D., F.R.C.P.
Can. Hd. of Dept. and Prof.
Nicholson, T. F., M.B., B.Sc.
(Med.), Ph.D. Assoc. Prof.
Gornall, A. G., B.A. Mt. A., Ph.D.
Asst. Prof.

Pathology and Bacteriology

Boyd, W., M.D. Edin. and Oslo,
LL.D. Sask., F.R.C.P. Lond.,
F.R.S.C.
Hd. of Dept. and Prof.
Greay, P. H., M.D., B.Sc. (Med.)
(Bact.) Prof.
Linell, E. A., M.D., Ch B. Manc.
(Neuropath.) Prof.
Robinson, W. L., B.A. McM.,
M.B., F.R.C.P. Can.
(Path.) Prof.
Magner, W., M.D., B.Ch., B.A.O.,
D.P.H. N.U.I. Asst. Prof.

Pædiatrics

Brown, A. G., M.D., F.R.C.P. Can.
and Lond., F.A.C.P.
Hd. of Dept. and Prof.
Ebbs, J. H., M.D. Tor. and Birm.
Asst. Prof.
Morgan, E. A., M.B. Asst. Prof.
Silverthorne, L. N., M.B.
Asst. Prof.
Tisdall, F. F., M.D., F.R.C.P. Can.
Asst. Prof.

Pharmacy and Pharmacology

Ferguson, J. K. W., M.B.E., M.A.,
M.D. Hd. of Dept. and Prof.
Lucas, G. H. W., M.A., Ph.D. Prof.
Sellers, E. A., M.D. Manit., Ph.D.
Asst. Prof.

Physiology

Best, C. H., C.B.E., D.Sc. Lond.,
Ox., Paris and Chic., Sc.D.
Camb., M.D. Amsterdam, Lou-
vain, Liège, and Tor., M.A.,

- F.R.S., F.R.S.C., F.R.C.P.
Can
Director of Physiol. Dept.
and Banting and Best
Dept Medical Re-
search and Prof.
- Taylor, N. B., M.D., F.R.C.S.
Edin, F.R.C.P. Can., F.R.S.C.
Prof.
- Solandt, D. Y., Ph.D. Lond,
D.P.H., M.A., M.D. Prof.
- Waters, E. T., D.Sc., Ph.D. Wales
Assoc. Prof.
- Haist, R. E., M.A., M.D., Ph.D.
Assoc. Prof.
- Markowitz, J., M.B.E., M.S. in
Exp. Surg. Minn., M.B., Ph.D.
Pt-time Assoc. Prof.
- Fidlar, E., B.A., M.D. Asst. Prof.
- Campbell, J., M.A., Ph.D.
Asst. Prof.
- Psychiatry*
- Stokes, A. B., M.A., B.M., B.Ch.
Ox., D.C.H., D.P.M.
Hd. of Dept. and Prof.
- Dewan, J. G., B.A., M.D. W. Ont.,
Ph.D. Camb., D.P.M., M.A.,
D. Psych. Asst. Prof.
- Jackson, Mary V., M.D.
Asst. Prof.
- Radiology*
- Richards, G. E., M.B., F.R.C.P.
Can., LL.D. Qu.
Hd. of Dept. and Prof.
- Singleton, A. C., M.B.E., E.D.,
M.D. Asst. Prof.
- Hall, M. M. R., M.D. Asst. Prof.
- Surgery*
- Janes, R. M., M.B., F.R.C.S. Can.,
F.A.C.S.
Hd. of Dept. and Prof.
Assistant Professors
- Harris, R. I., M.C., M.B., F.R.C.S.
Can.
- Laird, R. C., B.A. Qu., M.D., M.S.,
F.R.C.S. Can. and Eng
- Le Mesurier, A. B., M.B.
- McKenzie, K. G., M.B., F.R.C.S.
Can.
- McClelland, J. C., B.A., M.D.,
F.R.C.S. Can.
- Welsh, W. K., O.B.E., M.B.,
F.R.C.S. Eng. and Can.
Asst. Prof.
- Wookey, H. W., M.B., F.R.C.S.
Eng. and Can.
- Therapeutics*
- Kerr, R. B., M.A., M.D.
Hd. of Dept. and Asst. Prof.
- Dentistry*
- Clinical Dentistry*
- Ellis, R. G., B.D.S. Adel., D.D.S.,
M.Sc. (Dent.)
Dean and Director of Clinic
- Hoskin, H. A., D.D.S. Assoc. Prof.
- Crown and Bridge Prosthesis*
- Ante, I. H., D.D.S. Prof.
- Dental Anatomy*
- Jackson, W. J. S., D.D.S.
Assoc. Prof.
- Dental Bibliography*
- Johnson, J. H., D.D.S. Librarian.
- Dental Pathology and Bacteriology*
- Cameron, G. C., M.D., F.R.C.P.
Can. Prof.
- Dental Public Health*
- Thomson, H. S., D.M.D. Tufts
Assoc. Prof.
- Dental Surgery and Anæsthesia*
- Paul, E. W., D.D.S. Prof.
- Johnson, J. H., D.D.S. Prof.
- Tanner, D. M., M.B.E., D.D.S.,
B.Sc. (Dent.) Assoc. Prof.
- Dental Technology and Metal-
lurgy*
- Cowling, T., M.A. McM., D.D.S.,
B.Pæd. Asst. Dean and Prof.
- Medicine*
- Graham, J. W., M.D., D.D.S.,
F.R.C.P. Can. Assoc. Prof.

Operative Dentistry

- Ellis, R. G., B.D.S. Adel., D.D.S.,
M.Sc. (Dent) Prof.
Anderson, P. G., D.D.S. Prof.
Krueger, L. F., D.D.S. Iowa
Assoc. Prof.
Sheldon, J. M., D.D.S.
Assoc. Prof.

Orthodontics

- Halderson, H., D.D.S.
Assoc. Prof.
Fisk, G. V., D.D.S. Assoc. Prof.
Culbert, M. R., D.D.S.
Asst. Prof.

Periodontology

- Box, H. K., D.D.S., Ph.D.
Research Prof.
Williams, C. H. M., D.D.S., B.Sc.
(Dent.)
Assoc. Prof. (part-time).

Preventive Dentistry

- Cox, M. A., M.B. Prof.
Kreutzer, J., D.D.S., B.Sc. (Dent.)
Prof.

Prosthodontia

- Godfrey, R. J., D.D.S., M.Sc.
(Dent.) Hd. of Dept. and Prof.
Cole, F. L., D.D.S. Assoc. Prof.
Woollatt, R. S., D.D.S.
Assoc. Prof.

School of Hygiene

- Defries, R. D., C.B.E., M.D.,
D.P.H. (Hyg. and Public
Health Admin.)
Director and Prof.
Fraser, Prof. D. T., M.C., B.A.,
M.B., D.P.H., F.R.S.C. (Hyg.
and Prev. Med.)
Hd. of Dept. and Assoc.
Director.
Brown, M. H., O.B.E., M.D.,
B.Sc. (Med.), D.P.H.
Director of Field Training.
Van Rooyen, C. E., M.D., D.Sc.
Edin. (Virus Infections) Prof.

- Moloney, P. J., O.B.E., M.A.,
Ph.D., F.R.S.C. (Chem. in re-
lation to Hyg.)

Hd. of Dept. and Prof.

- McKinnon, N. E., M.B. (Epi-
demiol. and Biometrics)

Hd. of Dept. and Prof.

- MacLean, D. L., O.B.E., E.D.,
M.B., B.Sc. (Med.), D.P.H.
(Public Health)

Secy. of School and Prof.

- McHenry, E. W., M.A., Ph.D.,
F.R.S.C. (Public Health Nu-
trition) Hd. of Dept. and Prof.

- Solandt, D. Y., M.A., M.D., Ph.D.
Lond., D.P.H., F.R.S.C.
(Physiol. Hyg.)

Hd. of Dept. and Prof.

- Agnew, G. H., M.D., F.A.C.P.
(Hosp. Admin.)

Hd. of Dept. and Prof.

- Berry, A. E., M.A.Sc., C.E., Ph.D.
(Public Health Eng.)

Assoc. Prof.

- Bradley, L. O., M.D. Alta. (Hosp.
Admin.) Assoc. Prof.

- Cunningham, J. G., B.A., M.B.,
D.P.H.

(Indust. Hygiene) Assoc. Prof.

- Fallis, A. M., B.A., Ph.D. (Para-
sitol) Assoc. Prof.

- Mosley, W., M.D., C.M. McG.,
D.P.H. (Public Health Ad-
min.) Assoc. Prof.

- Goodwin, J. E., B.A.Sc. (Physiol.
Hyg.) Asst. Prof.

**Connaught Medical Research
Laboratories**

- Defries, R. D., C.B.E., M.D.,
D.P.H. Director.
Fraser, D. T., M.C., B.A., M.B.,
D.P.H., F.R.S.C.
Assoc. Director.
Hutchison, F. L., M.A.
Asst. Director.
Moloney, P. J., O.B.E., M.A.,
Ph.D., F.R.S.C.
Asst. Director.

Orr, M. D., O.B.E., M.A.
 Asst. Director.
 Allen, K. E., B.A. Comptroller.
 Boyd, I. W., M.Sc. Qu.
 Superintendent.

Music

MacMillan, Sir Ernest, D.Mus. Ox.,
 LL.D. Br. Col. and Qu.,
 Mus. Doc. Laval, B.A. Dean.
 Smith, L., Mus. B. Manc. Prof.
 Willan, H., Mus. Doc. Prof.
 Johnston, A. R., B.Mus. North-
 western, M.Mus. Rochester
 (School Music) Asst. Prof.
 Rosevear, R. A., A.B. Cornell,
 M.Mus. Rochester (School
 Music) Asst. Prof.
 Bell, L. R., Mus.D. Montr., M.A.
 Supervisor and Adviser
 in School Vocal Music.

Nursing

Russell, Edith K., B.A., D.C.L.
 King's, B.Pæd.
 Director of School and Prof.
 Emory, Florence H. M.
 Assoc. Director of Sch.
 and Assoc. Prof.
 Millman, Mary B., B.A.
 Asst. Prof.
 Wilson, M. Jean, B.A. Sask.,
 B.Pæd. Asst. Prof.

Physical and Health Education

Ryerson, E. S., M.D., C.M. (Health
 Educ.)
 Director of School and Prof.
 Stevens, W. A., B.S. Syracuse
 Assoc. Prof. and Director
 of Athletics and Phys.
 Educ.
 Griffiths, M. G., M.P.E. Spring-
 field, M.A. Col. Assoc. Prof.
 Forster, Jean M., B.A.
 Asst. Prof.
 Jackson, Dorothy N. R., M.A.
 N.Y. Asst. Prof.
 McCutcheon, J. E. Asst. Prof.

Somers, Florence A., B.S.E. Bos-
 ton, M.A. N.Y.U. Asst. Prof.

Social Work

Cassidy, H. M., B.A. Br. Col., Ph.D.
 Brookings (Soc. Welfare)
 Director and Prof.
 Hendry, C. E., B.A. McM., M.A.
 Col., M.H. Springfield Prof.
 Jaffary, S. K., B.Sc., M.A. Alta.,
 Ph.D. Chic. Assoc. Prof.
 Govan, Elizabeth S. L., B.A. Ox.,
 M.A. Asst. Prof.
 Houwink, Eda, A. B., M.S. Wash.
 U. St. Louis Asst. Prof.
 Klein, A. F., M.S. N.Y. Sch. of
 S.W. Asst. Prof.
 Morgan, J. S., M.A. Ox. Asst. Prof.

Ontario College of Education

Lewis, A. C., M.A., D.Pæd. Dean.
 Phillips, C. E., B.A., D.Pæd.
 (Educ.) Prof.

Educational Research

Long, J. A., B.A. McM., Ph.D.
 Col. Dir. and Prof.
 Jackson, R. W. B., B.A. Alta.,
 Ph.D. Lond.
 Asst. Dir. and Assoc. Prof.

Educational Methods

Bennett, W. G., B.A., B.Com. Qu.,
 A.M. Chic., D.Pæd. (Com.
 Subjects) Prof.
 Diltz, B. C., M.A. Qu. (Eng. and
 Hist.) Prof.
 St. John, Helen B., M.A. (Mod.
 Langs.)
 Prof. and Supervisor of
 Women Students.
 Daniher, E. L., B.A. (Hist.) Prof.
 Dean, Charlotte R., M.A. Col.,
 B.A. (Home Econ.)
 Assoc. Prof.
 Macdonald, A., M.A. Qu. (Elem.
 Subjs.)
 Editor of *The School* and
 Assoc. Prof.

Ratz, Ruth E., B.A. (Home Econ)

Assoc Prof.

Parmenter, M. D , M A. (Guidance)

Dir. of Vocat. Guid.

Centre and Assoc. Prof.

Croal, A. G., M.A. Qu., D.Pæd.
(Sc.) Assoc. Prof.

Halbus, F. W , B.A McM (Phys.
Educn.) Assoc Prof.

McGuire, H A , B A Qu., B Pæd.
(Elem Subjs)

Supervisor of Practice

Teaching and Assoc.

Prof.

Petrie, P. A., B.A., B Pæd. (Maths.)

Assoc Prof.

Bell, L. R., M A. (Music)

Asst Prof.

Bryans, Helen L., M A. Col., B.A.

(Phys. Educn.) Asst Prof.

Taylor, B. C., M.A. (Classics)

Asst. Prof.

Phillips, R. D , B.Sc. N. Br. (Voca-
tional Subjs.)

Acting Dir. of Vocational

Training and Indus.

Arts and Crafts and

Assoc. Prof.

Library Science

Barnstead, Winifred G , B.A. Dal.

Director of Library

School and Prof.

Bassam, Bertha, B.A. Qu., B L.S

Pratt, M.S Col Assoc. Prof.

Silverthorn, Mary E , B A. Alta.,

B.S. in L S., M.A. Ill.

Asst. Prof.

University Extension

Dunlop, W. J., LL.D. W. Ont.,

B.A., B.Pæd. Director.

Institutional Management

Cork, S F., B.A. Supervisor.

Occupational Therapy

LeVesconte, Helen P. Chief Instr

Physical Therapy

Gardiner, W J., F R.C.P. Can ,

M.B. Supervisor.

Public Safety (Driving)

Bryce, W. A , B A. Supervisor.

COLLEGES OF THE UNIVERSITY

UNIVERSITY COLLEGE. Principal—W. R. Taylor, M.A., Ph.D., D.D.
Registrar—W. J. McAndrew, M.A.

VICTORIA COLLEGE, in the Faculty of Arts of the Univ., v. *infra*.

TRINITY COLLEGE, in the Faculty of Arts of the Univ., v. *infra*.

St. MICHAEL'S COLLEGE, in the Faculty of Arts of the Univ., v. *infra*.

FEDERATED UNIVERSITIES

UNIVERSITY OF TRINITY COLLEGE, *see* p. 650.

VICTORIA UNIVERSITY, *see* p. 652.

FEDERATED COLLEGES

St. MICHAEL'S COLLEGE. Superior—Rev. L. J. Bondy, M.A., Ph.D.
Registrar—Rev. B. F. Sullivan, M.A. Other Teachers: the Profs., etc.,
marked (M.) in the directory.

KNOX COLLEGE, WYCLIFFE COLLEGE, and EMMANUEL COLLEGE. Teachers
giving instruction in Univ. courses (*Religious Knowledge*): (1) Knox—Rev.
W. W. Bryden, M.A., D.D., Principal; Rev. J. S. Glen, M.A., Ph.D., B.D.,

D.Th.—Prof. (2) Wycliffe—Rev. Ramsay Armitage, M.A., D.D., Principal; Rev. R. Hettlinger, M.A.; Rev. B. W. Horan, M.A., B.D.; Rev. H. P. Plumptre, M.A.; Rev. W. E. Taylor, M.A., Ph.D., D.D.—Prof. (3) Emmanuel—Rev. A. Dawson Matheson, M.A., B.D., D.D., Dean; Rev. K. H. Cousland, M.C., M.A., B.D.; Rev. J. Dow, M.A., D.D.; Rev. J. Line, M.A., S.T.D., D.D.; Rev. C. W. Leslie, M.A., B.D., Ph.D.; Rev. K. J. Joblin, B.A., B.D.—Assoc. Profs.; Rev. G. A. McMullen, B.A.—Asst. Prof.; Rev. W. O. Fennell, B.A.—Lectr.

AFFILIATED COLLEGES

ONTARIO AGRICULTURAL COLLEGE, GUELPH. Estab'd. 1874 President—W. R. Reek, M.B.E., B.S.A. Registrar—A. M. Porter, B.S.A. Bursar—T. H. Stuart. Director of Public Relations—W. D. Tolton, B.S.A. Director of Phys. Educn.—W. F. Mitchell, B.S.A. Dean of Men—J. A. Eccles, B.S.A. Librarian—Florence G. Partridge, B.H.Sc., B.L.S. Dietitians—Katherine M. Beck, Mrs. Louise McConkey, Edna M. Roberts.

The main divisions are: Agriculture and Home Economics. Courses in Agric.: Associate Diploma, 2 yrs.; B.S.A. degree, 4 yrs.; Summer School for Public and High School Teachers; also short courses. Research and investigation form an important part of the work. Facilities are also available for Graduate Work. Courses in Home Econ. at Macdonald Institute. At present a 1-yr. course only is given in Home Econ. The courses in Home Econ. are being revised and it is hoped that, commencing in Sept. 1948 or 1949, in addition to the 1-yr. course, a 4-yr. course leading to a degree will be given.

FEES. Tuition—Degree Course students resident in the British Empire, in all yrs., \$100 p.a.; Degree Course students from outside the British Empire, in all yrs., \$200 p.a.; Diploma Course Students resident in the British Empire, \$25 p.a.; Diploma Course Students from outside the British Empire, \$200 p.a. Laboratory, 1st and 2nd yrs. degree and diploma courses, \$1.50 p.a., 3rd and 4th yrs. degree course, \$5 p.a. Contingency fees, 1st and 2nd yrs. degree and diploma courses, \$5 p.a., 3rd and 4th yrs. degree course, \$10 p.a.

Rooms for over 1200 students, men and women, on College campus. Board and room, \$9 per wk.

STAFF (Heads of Depts., Profs., Assoc. Profs. and Asst. Profs. only). *Agric. Econ.*: W. M. Drummond, M.A., Prof. and Hd. of Dept.; C. W. Riley, M.S.A., H. K. Leckie, B.A., Assoc. Profs.; N. H. High, B.S.A., M.S., S. H. Lane, B.S.A., M.Sc., Asst. Profs. *Agric. Eng.*: C. G. E. Downing, B.E., Prof. and Hd. of Dept.; E. W. Kendall, B.S.A., F. L. Ferguson, B.S.A., E. G. Webb, B.S.A., J. R. Scott, B.S.A., Assoc. Profs.; H. W. Kitching, B.S.A., R. A. S. Moss, M.A.E.Sc., Asst. Profs. *Animal Husbandry*: R. G. Knox, B.S.A., Prof. and Hd. of Dept.; G. E. Raithby, B.S.A., Prof.; E. C. Stillwell, B.S.A., M.S., M. W. Staples, B.S.A., M.S., A. D. Runions, B.S.A., R. F. Forshaw, B.A., M.Sc., Assoc. Profs.; W. O. Kennedy, B.S.A., Asst. Prof. *Animal Nutrition*: H. D. Bramon, M.A., Ph.D., F.C.I.C., Prof. and Hd. of Dept.; E. V. Evans, M.A., Assoc. Prof.; I. Motzok, M.S.A., Ph.D., D. C. Hill, M.S.A., Ph.D., Asst. Profs. *Apiculture*: G. F. Townsend, M.S.A., Prof. and Hd. of Dept. *Bacteriol.*: E. H. Garrard, M.S.A., Prof. and Hd. of Dept.; A. Davey, B.S.A., Prof.; F. E. Chase, M.S.A., L. A. McDermott, M.S.A., M. L. Wright, M.S.A., D. B. Shutt, B.S.A., Asst. Profs. *Botany*: J. E. Howitt, B.S.A., M.S., Prof. and Hd. of Dept.; D. R. Sands, B.S.A., M.S., J. D. MacLachlan, B.A., A.M., Ph.D., Profs.; W. G. Evans, B.S.A., M.S., Assoc. Prof.; S. A. Simmons, B.S.A., M.A., W. M. Gammon, B.S.A., F. H. Montgomery, M.A., A. A. Wellwood, B.A., B.Sc.,

Asst. Profs. *Chem.*: R. S. Brown, M.A., Ph.D., Prof. and Hd. of Dept.; L. R. Bryant, M.A., F.C.I.C., Prof. and Dairy Chemist; L. A. Birk, B.S.A., M.S., F.C.I.C., Assoc. Prof.; D. MacDougall, B.A., M.Sc., Ph.D., W. H. Brown, M.A., D. Waghorne, B.S.A. (on leave), Asst. Profs. *Dairying*: W. H. Sproule, B.S.A., Prof. and Hd. of Dept.; F. W. Hamilton, B.S.A., Assoc. Prof.; H. A. Smallfield, B.S.A., M.S., O. R. Irvine, M.S.A., Asst. Profs. *English*: G. E. Reaman, M.A., B.Pæd., Ph.D., F.A.G.S., Prof. and Hd. of Dept.; E. C. McLean, M.A., Prof.; W. Carpenter, B.A., V. C. Lowell, B.S.A., Asst. Profs. *Entomol. and Zool.*: A. W. Baker, B.S.A., Prof. and Hd. of Dept.; R. H. Ozburn, B.S.A., M.S., Prof.; H. W. Goble, B.S.A., M.S. (Asst. Prov. Entomol.), A. G. McNally, M.A., Asst. Profs. *Field Husbandry*: G. P. McRostie, M.S.A., Ph.D., Prof. and Hd. of Dept.; O. M. McConkey, B.S.A., M.S., Ph.D. (on leave of absence); J. Laughland, B.S.A., J. R. Weir, B.S.A., M.Sc., Ph.D., Profs.; R. Keegan, B.S.A., Assoc. Prof. *Horticulture*: J. S. Shoemaker, B.S.A., M.Sc., Ph.D., Prof. and Hd. of Dept.; J. H. L. Truscott, B.Sc., M.Sc., Ph.D., Prof. and Chief of Hort. Res.; T. O. Graham, B.S.A., M.S., Assoc. Prof.; R. Goodwin Wilson, B.S.A., T. H. Jones, B.S.A., Asst. Profs. *Physics*: R. C. Moffatt, M.A., Prof. and Hd. of Dept.; J. G. F. Morton, B.Sc., Assoc. Prof. *Poultry*: F. N. Marcellus, B.S.A., D.V.M., F.A.I.C., Prof. and Hd. of Dept.; J. R. Cavers, B.S.A., M.S., E. S. Snyder, B.S.A., M.S., J. F. Francis, B.S.A., Profs.; J. E. Bergey, B.S.A., C. M. Huntsman, B.S.A., J. H. Pettit, B.S.A., S. J. Shinger, M.S.A., Asst. Profs. *Soils*: G. N. Ruhnke, M.S.A., F.C.I.C., Prof. and Hd. of Dept.; F. F. Morwick, M.S.A., F.C.I.C., Assoc. Prof.

Division of Home Economics—Dorothy M. Lindsley, M.A., Assoc. Director of Division; Jessie M. Lambden, B.A., Edyth L. Bray, B.H.Sc., Asst. Profs.

STUDENTS. The total number of registered students (short courses included) in 1947-48 was 2123.

ONTARIO COLLEGE OF PHARMACY, TORONTO. (For Phm.B. degree.) Dean—R. O. Hurst, Phm.B. Registrar-Treasurer—H. M. Corbett, Phm.B.

STAFF. *Pharm.*: Prof. R. O. Hurst, Phm.B.; R. M. Baxter, B.S.P., Instr. *Materia-Medica and Pharmaceutical Chem.*: Prof. F. N. Hughes, Phm.B., B.S. in Phar., M.A.; W. J. Maxted, B.S.P., Instr.

STUDENTS. The total number of registered students was 289.

ONTARIO VETERINARY COLLEGE, GUELPH. (For B.V.Sc. degrees.) Principal—A. L. MacNabb, D.V.M., D.V.Sc.; Registrar and Asst. Principal—L. Stevenson, B.S.A., D.V.M., M.S.

STAFF. *Anatomy*: Prof. V. R. Brown, D.V.M., Hd. of Dept.; J. H. Ballantyne, D.V.M., Asst. Prof.; G. K. Boyce, D.V.M., Lectr. *Chemistry*: Prof. R. S. Brown, M.A., Ph.D.; 1 Asst. in Res. *Husbandries: Animal H.*—R. G. Knox, B.S.A.; *Poultry H.*—F. N. Marcellus, B.S.A., D.V.M., F.A.I.C. *Jurisprudence*: A. L. Dunbar, K.C., Pt.-time Lectr. *Medicine: Diseases of Ruminants and Swine*—Prof. R. A. McIntosh, B.V.Sc., M.D.V., Hd. of Dept.; Prof. J. A. Henderson, B.V.Sc., M.S.; C. A. V. Barker, D.V.M., M.Sc., Assoc. Prof. *Pharmacology*—Prof. R. A. McIntosh, B.V.Sc., M.D.V.; F. Wagner, Phm.B., Pt.-time Lectr. *Nutrition*: H. D. Branion, M.A., Ph.D., F.C.I.C., E. V. Evans, B.A., M.A. *Parasitology and Fur-bearing Animals*: Prof. A. A. Kingscote, V.S., D.V.Sc., Hd. of Dept.; A. H. Kennedy, B.S.A., V.S., D.V.M., D.V.Sc., Asst. Prof.; J. MacGregor, D.V.M., Lectr. *Pathology*: Prof. F. W. Schofield, V.S., D.V.Sc., Hd. of Dept.; Prof. T. L. Jones, B.V.Sc., M.Sc.; D. L. T. Smith, B.V.Sc., Asst. Prof.; G. Lambert, D.V.M., Lectr.; 1 Asst. in Res. *Histol. and Embryol.*: J. P. W. Gilman, B.V.Sc., Asst. Prof.; W. R.

Dunlop, V.S., D.V.M., Lectr. *Poultry Pathol.*: J. S. Glover, V.S., D.V.M., Assoc. Prof. *Physiology and Clinical Chem.*: Prof. H. T. Batt, M.V.Sc., M.S., D.V.Sc., Ph.D., Hd. of Dept. *Preventive Medicine and Hygiene*: A. F. Bain, B.V.Sc., D. A. Barnum, D.V.M., N. A. Fish, D.V.M., D.V.P.H., Assoc. Profs.; C. E. Van Rooyen, M.D., D.Sc., A. J. Rhodes, M.D., F.R.C.P., Pt.-time Lectrs. *Radiology*: A. E. Broome, M.D., F.R.C.P., Pt.-time Lectr. *Small Animals (Canine and Feline)*: Prof. F. J. Cote, V.S., D.V.M.; J. A. Campbell, D.V.M., Pt.-time Lectr. *Surgery*: Prof. W. J. R. Fowler, V.S., B.V.Sc., D.V.M.; Prof. G. Cairns, D.V.M. **EXTENSION AND RESEARCH**—A. L. MacNabb, D.V.M., D.V.Sc. *Breeding Problems*: R. A. McIntosh, B.V.Sc., M.D.V., J. A. Henderson, B.V.Sc., M.S. *Brucella*: N. A. Fish, D.V.M., D.V.P.H. *Clinical Chem.*: A. G. Stewart, M.A. *Consultation Services—Artificial Insemination*: J. A. Henderson, B.V.Sc., M.S., C. A. V. Barker, D.V.M., M.Sc. *Diseases of Fur-bearing Animals*: A. A. Kingscote, V.S., D.V.Sc., A. H. Kennedy, B.S.A., V.S., D.V.M., D.V.Sc. *Mastitis*: F. W. Schofield, V.S., D.V.Sc., 1 Asst. in Res. *Poultry Diseases*: J. S. Glover, V.S., D.V.M. *Research*: Prof. W. R. LeGross, B.S.A., D.V.M., M.S., Ph.D., 1 Asst. in Res. *Swine and Sheep Diseases*: R. A. McIntosh, B.V.Sc., M.D.V., T. L. Jones, B.V.Sc., M.Sc., G. Lambert, D.V.M. *Veterinary Services*: Ontario Agricultural Coll. and Ontario Reformatory Farms, J. W. MacPherson, D.V.M.; Kemptville Agricultural School, E. F. Pallister, D.V.M., Regional Veterinary Officer.

ONTARIO COLLEGE OF ART.—Principal—F. S. Haines.

ROYAL COLLEGE OF DENTAL SURGEONS OF ONTARIO.

GENERAL INFORMATION

An appropriation of 500,000 acres of land for the support of 4 grammar schools and a Univ. in Upper Canada was made in 1798, and a Royal Charter was granted in 1827 for a "King's College" with the privileges of a Univ., but it was not until 1843 that the College was inaugurated. For early history, see *Yearbook*, 1929.

LIBRARY, 463,224 vols. and 157,377 pamphlets. The (Science) Library of the Roy. Can. Inst. is housed in the same building. The Library has also acquired by gift the papers of the Hon. Edward Blake, who was Chancellor of the Univ. from 1881 to 1900. These papers have for some years been placed in the Library for safe keeping by Prof. George M. Wrong, Edward Blake's literary executor; but they have now been turned over to the Library, and will be made available to students. Together with the papers of Colonel and Mrs. John Graves Simcoe, which were presented to the Library last year by Mr. R. S. McLaughlin, and the papers of William Lyon Mackenzie and Charles Lindsey, and those of Sir Edmund Walker, which have been placed in the Library for safe keeping, the Univ. has now with these papers the beginnings of an archives dept.

MUSEUMS. The Royal Ontario Museum—Archæology (including the Chinese Collection, which illustrates the entire range of Chinese art and archæology; an extensive Chinese library provides access to the literature of China for the study of these subjects); Geology and Mineralogy (including exhibits of Canadian metals from the gold and silver mines, gems and ornamental stones, marbles, radium, and exhibits of Canadian minerals); Palæontology (including many specimens of dinosaurs from Alberta, and thirty murals depicting the development of the earth through the various geological periods) Zoology (including exhibits of Canadian animals).

LABORATORIES: in all the Science depts. **BANTING INSTITUTE** with depts. of Path., Bact., Neuro-pathol., Med., Surg., Patholog. Chem. for teaching, clinical investigation and research work. **CONNAUGHT MEDICAL RESEARCH LABORATORIES** provide facilities for research in preventive medicine and in related fields and for production of and supply of sera, vaccines, hormones and other biological preparations that are difficult or costly to produce. Farm of over 70 acres. **DAVID DUNLAP OBSERVATORY**, Richmond Hill, contains a 74-in. reflecting telescope which may be used either as a Cassegrain or a Newtonian, the largest in the British Empire and second largest in the world. **HOSPITALS** available for Clinics: Toronto (General), 1165 beds; Children's, 432; St. Michael's (Roman Catholic), 628; Western (General), 600; Psychiatric, 64; Isolation, 300.

FACULTIES. Arts, Medicine, Applied Science and Engineering, Household Sci., Education (Ontario Coll. of Educn.), Forestry, Music, Dentistry. **SCHOOLS:** Graduate Studies, Law, Physical and Health Educn., Social Work, Nursing, Hygiene, Chinese Studies. **INSTITUTES:** Child Study, Industrial Relations; Department of University Extension.

SECRETARIES OF FACULTIES AND SCHOOLS. (Arts) A. B. Fennell, M.C., M.A.; (Med.) Dean J. A. MacFarlane, O.B.E., B.A., M.B., F.R.C.S.; (Applied Sci. and Engin.) W. S. Wilson, E.D., B.A.Sc.; (Household Sci.) M. Doreen Smith, M.A., Ph.D.; (Educn.) Lyda Swinarton; (Forestry) Grace McAree; (Music) A. B. Fennell, M.C., M.A.; (School of Graduate Studies) Nora Mackenzie; (Dentistry) C. C. Rous, B.A.Sc.; (Law) F. E. LaBrie, B.A., LL.M.; (Physical and Health Educn.) Charlotte H. Layton, B.A.; (Soc. Sci.) Edna B. Bambridge; (Nursing) Dora K. Duff; (Hygiene) D. L. MacLean, M.B., B.Sc.(Med.), D.P.H.; (Chinese Studies) Betty Kingston, B.A., B.L.S.; (Child Study) Mary R. McKeown, B.A.; (Industrial Relations) Dorothy N. Hay, B.A.

UNIVERSITY MATRICULATION BOARD. A Board created by the Univs. of Toronto, Queen's, McMaster, W. Ont., and Ottawa conducts and controls their annual Matricn. exams. The Dept. of Educn. of Ontario provides the machinery for holding these exams., and the Registrar of the Dept. is Secy. of the Board. A report signed by all members of the staff of the school concerned as to the standing of their candidates is considered in determining the results of the examn.

For admission to the University the requirements are (a) the Secondary School Graduation Diploma in the General Course covering English, History, and four optional subjects, and (b) Grade XIII certificate covering English and four optional subjects. The Secondary School Graduation Diploma is usually taken at the end of a 4-yr. Secondary School course and the Grade XIII certificate at the end of the fifth year of this course. The optional subjects of Grade XIII vary according to the course or Faculty which the student desires to enter. In certain cases foreign students may substitute their native language for a language other than English. Music is accepted as one of the four options in (a) and as one of the three options in (b).

Minimum age for admission to the Faculty of Arts, 16; Med., 17; Appl. Sci., 17; House. Sci., 16; Educn., 19; Forestry, 17; Dentistry, 17.

DEGREE COURSES. 1 yr. after B.A.—B.L.S., B.S.W.; 2 yrs.—Phm.B.; 3 yrs.—Pass B.A., Pass B.H.Sc., Mus.Bac., B.P.H.E.; 4 yrs.—Honour B.A., B.Com., B.A.Sc., B.Sc.(Med.), B.Sc.(Dent.), Honour B.H.Sc., B.Sc.F., B.S.A. and D.V.M.; 5 yrs.—B.Arch., D.D.S., B.Sc.N.; 6 yrs.—M.D. Combined courses: B.A. and M.D.—8 yrs., B.A. and LL.B.—5 yrs.

Students from the British Isles may apply for admission to Medicine or

Applied Sci. on submitting certificates of registration with the General Medical Council of Great Britain or the Institution of Civil Engineers respectively.

The B.Sc. (Med.) may be obtained by Med. students who, after the 4th or subsequent year of Med. study, having maintained therein a prescribed standard of proficiency, spend a year in an approved course of study, and show facility in reading one modern language besides English. Similar regulations govern the B.Sc. (Dent.).

A student who has already graduated in the Faculty of Arts, Med., or Sci. of a Canadian or other recognized Univ. may complete the course in Dentistry in 4 yrs. instead of 5, provided he has covered certain prescribed subjects during his undergrad course; and persons holding qualifications obtained in Great Britain or Ireland registrable by the Dental Board of the United Kingdom or the B.D.S. of approved Australian Univs. may be admitted to the Fac. of Dentistry without further examn., and to the final D.D.S. examns on completing one full session in the Fac. of Dentistry.

Higher Degrees. M.A., obtainable by approved course of graduate study extending over 2 yrs. or, in the case of a B.A. in an Honours course, 1 yr.; Ph.D., open to a graduate in Arts (or, on special conditions, another Faculty) of this or another recognized Univ. by pursuing in the Univ. of Toronto an advanced course of study for 3 yrs., exemption from 1 of which may be given in consideration of the candidate having already pursued such a course for 1 yr. A thesis embodying the result of an original investigation is required.

The M.Com., obtainable by approved course of graduate study extending over 1 to 2 yrs.

M.S. obtainable after 2-yr. course open only to graduates in Med. of a recognized Univ. The D.P.H. course (for Med. graduates) covers 11 mos. —1 winter and 1 summer session; the Diploma courses in Radiology and in Psychiatry (for Med. graduates) each cover 12 mos.

The M.A.Sc. may be obtained by a B.A.Sc. graduate of this Univ. or one who holds an equivalent degree from some other Univ. who pursues a course of advanced study in the Faculty for 1 yr., presents a satisfactory thesis, and passes such examns. as may be prescribed.

The M.Arch. may be obtained by one who holds the degree of B.Arch. or B.A.Sc., or an equivalent degree, under the same conditions as the M.A.Sc. degree.

The professional degrees, C.E., M.E., Mech.E., E.E., Chem.E., Met.E., are open to candidates who, after obtaining the B.A.Sc. or diploma of the Faculty, spend 3 yrs. in the actual practice of one of these branches of engineering, present a satisfactory thesis and pass examns.

The F.E. may similarly be obtained by one who holds the degree of B.Sc.F., and the M.Sc.F. in 2 yrs.

The B.Pæd. is open to candidates holding an approved degree in Arts, Sci., Agric., Engin., or Comm., and a certif. as teacher valid in one of the Provinces of Canada and issued after a regular course in an approved training school or the equivalent of such certif. and course of training. They must attend the Ontario Coll. of Education during two regular Coll. sessions or three summer sessions, with certain exceptions.

The D.Pæd. is open to graduates in Arts, Science, Agric., Engin., or Comm., of any British Univ. who hold the B.Pæd. degree and a teacher's certif. valid in one of the Provinces of Canada and pass prescribed examns. A thesis is also required, and the candidate must have attended one regular session or a summer course.

B.L.S. (Bachelor of Library Science), 1-yr. course open only to Univ. graduates.

B.S.W. (Bachelor of Social Work), 1-yr. course open only to Univ. graduates. M.S.W. (Master of Social Work) is open to grads. who have obtained the B.S.W. degree or its equivalent.

The M.S.A. is open to grads. who have obtained the B.S.A. degree or its equivalent.

The M.Sc. (Dent.) is open to grads. of the Fac. of Dentistry of Univ. of Toronto or those with equivalent standing. It involves at least 2 yrs.' work.

The M.V.Sc. or the D.V.Sc. is open to grads. who have obtained the B.V.Sc. or the D.V.M. degree or its equivalent.

The Mus.Doc. is open to a Mus.Bac. of this or another Univ. of 3 yrs.' standing.

The LL.B. is a 5-yr. course of study taken partly in the Faculty of Arts and partly in the School of Law.

The LL.M. may be obtained by an LL.B. graduate of the Univ. or an approved Univ., of at least 1 yr.'s standing, who passes the prescribed examns. and presents a satisfactory thesis.

The Univ. publishes annually an announcement of *Graduate Courses*. *All communications on the subject must be addressed to the School of Graduate Studies.*

TRAINING OF TEACHERS. Courses are provided for Teachers' certificates of several grades, including the Household Science and the Physical Training Teachers'. The Educn. Dept. of Ontario grants certificates on the completion of the prescribed courses, entitling the holders to teach in the High Schools. All teachers for High Schools and Collegiate Institutes must spend at least 1 yr. in the College of Education.

FEES. Students proceeding to the B.A. and enrolled in one of the Colleges of the Univ. attend lectures of Univ. Profs and Lectrs. in the Fac. of Arts without payment of fees except for library, lab. supplies, examns. and certain other incidentals. The College Fees, which entitle students to attend degree courses in their respective Colleges, are \$180 p.a.; B.Com., \$210 p.a. Medical students pay for tuition, library, lab. supply, hospital and annual examn., 1st and 2nd pre-medical yrs., \$200 p.a., 1st, 2nd, 3rd and 4th medical yrs., \$400 p.a., Applied Sc. and Engin., \$300 p.a.; Household Sci., \$200 p.a.; Library School, \$75 p.a.; Ontario Coll. of Education, \$75 p.a.; Forestry, \$225 p.a.; Music, course A, \$140 p.a., course B, \$210 p.a.; Dentistry, pre-dental yr., \$240 p.a., 1st, 2nd, 3rd, and 4th dental yrs., \$325; Diploma Fees: Certificate courses in the Coll. of Educn., \$50 p.a.; Dip. Public Health, \$330; Dip. in Radiol., \$275; Dip. in Psychiatry, \$275; Dip. in Indust. Hyg., \$330 p.a.; Dip. Hospital Admin., \$380; Dip. Dental Public Health, \$270 p.a.; Dip. Veterinary Public Health, \$175 p.a.; Dip. Public Health, \$180 p.a.; Dent. Nursing, \$194 p.a.; Social Work, \$180 p.a.; Dip. in Nursing, \$220; Occupational Therapy, \$210 p.a.; Physical Therapy, \$210 p.a.

SCHOLARSHIPS. Numerous fellowships, scholarships, bursaries, and prizes are available in the various Colleges and Faculties of the Univ. and senior students may obtain assistance from loan funds held by the Alumni Federation of the Univ., the Students' Administrative Council and the Fac. of Applied Sci. and Engin.

There are a number of scholarships and fellowships, etc., tenable in the School of Graduate Studies.

RESIDENCES. University Houses accommodate 250 men. The rates are \$4 a week for a single room or half a suite; Univ. Coll. Houses, for 100 men—40 at 73 St. George St. and 60 at Holwood House, rent from \$3.50 to \$4 a week; residence and board for women (218), at least \$10.50 a week; Victoria Coll. Halls for 267 men, about \$10.50 a week, and 231 women, from \$311 p.a.;

Trinity Coll. provides for 125 men and 95 women; St. Michael's (R.C.) has also residences for men and women.

HART HOUSE, the gift of the Massey Foundation in memory of Mr. Hart Massey, affords all the facilities of a first-rate club for men undergrads. It includes many halls and rooms, providing for all the activities in the undergrads' life other than work in the lecture room. The Students' Admin. Council and the Students' Christian Movement have their headquarters in the House; it also contains a wing with the Athletic Assoc. offices, gymnasium, swimming-pool, etc., where formal physical training is carried on, as well as other athletic activities. Annual fee, \$12.

WOMEN'S UNIONS. The Arts Colleges provide centres for the social activities of the undergraduate women of their respective colleges; these have common rooms, library, dining-hall and guest rooms.

UNIVERSITY EXTENSION. (1) Classes are held in the evenings and on Saturdays, for teachers and other adults proceeding to the B.A. degree. (2) Summer Session in Arts and Pedagogy for teachers. (3) Evening classes offering continuous courses in eighty subjects, without Univ. credit. (4) Three-yr. diploma courses in Occupational Therapy and in Physical Therapy. (5) Two-yr. Certificated Course in Institutional Management. (6) Courses in Public Safety (Safe Driving). (7) Extension lectures throughout the Province. (8) Short refresher courses in fire-fighting, soil mechanics, real estate. (9) Correspondence courses in commercial subjects for business people and for teachers. (10) Publication and distribution of bulletins and pamphlets for the Univ.

PUBLICATIONS. *President's Annual Report; Board of Governors' Report; Calendars*, April-May; *Bulletins of the Dept. of University Extension; Medical Bulletin; Univ. of Toronto Monthly; Univ. of Toronto Quarterly; Can. Historical Review; Can. Journal of Econ. and Polit. Sc.; Univ. of Toronto Law Journal; Univ. Studies; Students' Mags.*—*'Varsity, Torontonensis.*

THE YEAR 1946-47

BENEFACTIONS. Total, \$406,184.41. Dominion Government Accountable Advances for Special Services, \$73,449.89; Inst. of Industrial Relations, \$27,620; Rockefeller Foundation, \$27,608.90; William Pakenham Bequest, \$25,000; Ontario Cancer Research Foundation, \$24,965; Ontario Research Commission, \$19,575; Univ. of Toronto Expansion Fund, \$18,792; Norma Epstein Foundation Fund, \$15,250; Estate of Colonel R. W. Leonard, \$14,148.76; Prof. H. J. Davis, \$10,158.63; John Labatt Ltd., \$10,000; Arthur Cohen, \$10,000; National Foundation Incorporated Research Fund, \$9650; many other benefactions of \$6000 or less.

RETIREMENTS. Assoc. Prof. E. W. Banting (Civ. Eng.); Prof. C. A. Corrigan (Orthodontics); Prof. C. B. Farrar (Psychiatry); Prof. W. E. Gallie (Surgery); Prof. D. Graham (Medicine); Prof. A. Hunter (Path. Chem.); Dean A. D. A. Mason (Dent.); Assoc. Prof. S. M. Richardson (Radiography).

RESIGNATIONS. Asst. Prof. G. L. Assié (French); Dean G. G. Cosens (Forestry); Prof. J. Craigie (Virus Infections); Asst. Prof. Nettie D. Fidler (Nurs.); Asst. Prof. B. H. Gold (Social Work); Asst. Prof. L. B. Jacques (Physiol.); Asst. Prof. H. J. Leeson (Public Health Nutrition); Assoc. Prof. R. F. Leggett (Civ. Eng.); Asst. Prof. J. F. Parkinson (Pol. Econ.); Asst. Prof. T. Canning (Music); Assoc. Prof. R. C. Rudolph (Chinese Studies); Asst. Prof. S. B. Stocking (Bus. Admin.); Prof. H. A. Thompson (Class. Arch.); Assoc. Prof. A. Weinstein (Math.); Prof. L. Young (Biochem.).

DEATHS. Prof. J. A. Newcombe (Metall. Engin.); Emeritus Prof. W. Pakenham (School Administration).

HONORARY DEGREES. *LL.D* —Field Marshal the Viscount Montgomery of Alamein, Chief of the Imperial General Staff; Lieutenant-General the Hon. Percy John Montague, formerly Chief of Staff, Canadian Military Headquarters, London, England, and Justice of the Court of King's Bench of the Province of Manitoba; William Eric Phillips, Chairman of the Board of Governors of the Univ.; Duncan Archibald Lamont Graham, Sir John and Lady Eaton Prof. of Medicine in the Univ.

STUDENTS. The total number of registered students was 17,007.

DEGREES. B.A., 1107; M.A., 189; Ph.D., 37; B.Com., 63; M.Com., 8; M.D., 143; B.Sc. (Med.), 3; M.S., 5; B.A.Sc., 261; B.Arch., 10; M.A.Sc., 13; C.E., 2; Mech.E., 1; E.E., 1; M.E., 1; B.H.Sc., 1; B.Pæd., 51; B.L.S., 59; D.Pæd., 2; B.Sc.F., 23; F.E., 1; Mus.Bac., 7; D.D.S., 58; B.Sc. (Dent.), 4; LL.B., 1; B.P.H.E., 49; B.S.A., 58; M.S.A., 5; D.V.M., 141; Phm.B., 106; B.Sc.N., 12; B.S.W., 35.

DIPLOMAS AND CERTIFICATES. Art as applied to Medicine, 1; Business, 1; Business (ex-service), 194; Child Study, 19; Chinese Studies, 3; Dental Nursing, 22; Indust. Hyg., 1; Institutional Management, 50; Nursing, 238; Occupational Therapy, 106; Physical Therapy, 46; Pub. Health, 59; Psychiatry, 4; Radiol., 8; Social Work, 26; Veterinary Pub. Health, 2.

TORONTO, ONTARIO

Founded 1851

(Federated with the University of Toronto.)

VICE-CHANCELLOR AND PROVOST—Rev. R S K SEELEY, M A , D.D.
Camb , LL.D. Qu

REGISTRAR—Prof. R. K. HICKS, A. M.

DEAN OF DIVINITY—Rev. C. R. FEILDING, B A., S.T.B.

LIBRARIAN—S. M. ADAMS, M.A.

BURSAR—ELLIOT G. STRATHY.

TEACHING STAFF

ARTS

[See the consolidated list under Toronto, names marked (T.)]

DIVINITY

<i>Christian Ethics and Moral Theology</i>	<i>Liturgics</i> [Assoc. Prof.]
Feilding, Rev C R, B A, S T B	Smith, Rev. W. Lyndon, B.A. Tor.
Lectr.	and Ox., M.A Tor.
Judd, Rev. W. W., B.A Tor.,	Short, Rev H. V. R., B.A. Tor.,
M A., D.C.L King's	B.D.
Hon Lectr.	Lectr.
<i>Church Music</i>	<i>New Testament and New Testa- ment Greek</i>
Rollinson, E., Mus.Bac.Tor.,	Beare, Rev. F. W., B.A. Tor.,
F.R.C.O.	Ph D. Chic Prof.
Juliet E Doolittle Lectr.	Seeley, Rev. R. S. K., M.A., D.D.
McMullen, Rev. G. A., B.A. Tor	Camb., LL.D. Qu. Lectr.
Assoc. Prof.	Feilding, Rev. C. R., B.A., S.T.B.
<i>Ecclesiastical History</i>	Lectr.
Smith, Rev. W. Lyndon, B.A Tor.	Newby, Rev. M. T., M.A. Lectr.
and Ox, M A Tor.	
Assoc. Prof.	<i>Old Testament, Hebrew and Septuagint Greek</i>
<i>History of Missions</i>	Mercer, Rev. S. A. B., B.A. Harv.,
Dixon, Rev. Canon L. A., O.B.E.,	M.A. Wisc., D.D. Nashotah,
M.A. Tor., D.D. Hon. Lectr.	Ph.D. Munich
	Emeritus Prof.
<i>Homilectics</i>	Cosgrave, Rev. F. H., M.A. Dub.,
Fotheringham, Ven. J. B., B.A.	D.C.L. Bishop's, LL.D. Qu.
Lectr.	McM., Tor., D.D. Lectr.

Newby, Rev. M. T., M.A. Lectr.
de Catanzaro, Rev C J., B.A.
King's, M.A. Dal., B.D. Lectr.

Pastoral Theology

Feilding, Rev. C. R., B.A., S.T.B.
Lectr.

Philosophy of Religion

Owen, Rev. D. R. G., B.A. Tor.
and Ox, M.A., Ph.D. Lectr.

Religious Pedagogy

Hiltz, Rev. Canon R. A., M.A.,
D.C.L. King's Hon. Lectr.
Priest, Rev. A. H., B.A., D.D.
Hon. Lectr.

Systematic Theology

Fotheringham, Ven. J. B., B.A.
Lectr.

GENERAL INFORMATION

The University of Trinity College, founded 1851, Royal Charter, 1852, federated with the Univ. of Toronto, 1904, now confines its Univ. work to the two Faculties of Arts and Divinity. As an Arts College it forms an integral part of the Fac. of Arts of the Univ. of Toronto. The courses of instruction are prescribed by that Univ. Instruction is given in the Coll. in all subjects assigned to the Arts Colls. These include Greek, Latin, Greek and Roman Hist., Ancient Oriental Hist., Oriental Langs., Engl., German, French, Ethics, and Religious Knowledge. Instruction in other subjects of the Arts Courses is given by the Univ. Students of the Coll. receive the degrees of the Univ. of Toronto at the conclusion of their courses. As a Theological Coll., Trinity maintains its own Fac. of Divinity and confers degrees.

LIBRARY. 43,020.

PUBLICATIONS. *Calendar* (May); *Trinity Univ. Review*, monthly.

THE YEAR 1946-47

RESIGNATION. Miss S. G. Morley (Div.).

HONORARY DEGREE. D.D.—The Most Rev. J. W. C. Wand, Lord Bishop of London.

STUDENTS. Full-time: 645, including 27 graduate students in Divinity, 4 occasional students, and 244 women.

DEGREES. B.D., 5. Arts Degrees listed under the University of Toronto.

VICTORIA UNIVERSITY TORONTO

Incorporated 1836

(*Federated with the University of Toronto.*)

Telegraphic Address: Viccollege, Toronto.

CHANCELLOR—A. C. SPENCER, C.B.E., E.D., B.A. Sc.

PRESIDENT AND VICE-CHANCELLOR—W. T. BROWN, M.A., Ph.D., LL.D.

DEAN, VICTORIA COLLEGE—H. BENNETT, B.A., Ph.D.

DEAN, EMMANUEL COLLEGE—Rev. A. D. MATHESON, M.A., D.D.

REGISTRAR—M. ST. A. WOODSIDE, M.A.

LIBRARIAN—J. D. ROBINS, M.A., Ph.D.

TEACHING STAFF

Arts (Victoria College)

[See the consolidated list under Toronto, names marked (V.).]

THEOLOGY (Emmanuel College)

<i>Church History</i>	<i>New Testament Lit. and Exegesis</i>
Cousland, Rev. K. H., M.C., M.A.	Dow, Rev. J., M.A., D.D. St. And.
Ox., B.D., D.D. Montr. Prof.	Prof.
	<i>Old Testament Lit. and Exegesis</i>
<i>English Bible</i>	..... Prof.
Joblin, Rev. K. J., B.A., B.D.	<i>Public Speaking</i> [Asst. Prof.]
Assoc. Prof.	McMullen, Rev. G. A., B.A.
	<i>Sociology</i>
<i>Ethics and Philosophy of Religion</i>	Irving, J. A., M.A. Prof.
Leslie, Rev. C. W., M.A., B.D., Ph.D.	<i>Systematic Theology and History of Doctrine</i>
Assoc. Prof.	Line, Rev. J., M.A., S.T.D., D.D. Prof.
<i>Homiletics and Pastoral Theology</i>	Fennell, Rev. W. O., B.A. Lectr.
Matheson, Rev. A. D., M.A., D.D. Prof.	

GENERAL INFORMATION

In 1928, by Act of the Legislature of the Province of Ontario, Victoria University, originally founded as the Upper Canada Academy in 1836, received an amended charter by which it continues in federation with the University of Toronto and in connexion with the United Church of Canada (formed in 1925 by the union of the Congregational, Methodist, and Presbyterian Churches in Canada), and includes within itself, under one Board of Regents and one Senate,

two Colleges, Victoria College in Arts and Emmanuel College in Theology, the latter formed by the union of the Victoria University Faculty of Theology with Union Theological College. For early history, *see Yearbook* for 1929.

LIBRARY. Special features—Canadian verse and Tennysonianana (C. C. James's collections), Methodism in Canada, Education in Ontario.

COURSES. 3 yrs. for Pass B.A.; 4 yrs. for General Course and Honour Courses; 3 yrs. for B.D., subsequent to graduation in Arts; 3 yrs. for Diploma in Theol., subsequent to 3 or 4 yrs. in Arts.

HOSTELS for 225 men and 160 women students.

PUBLICATIONS. *Theological Calendar* (May); *Bulletin* (June); *Acta Victoriana*, a students' monthly.

THE YEAR 1946-47

BENEFACTIONS. \$267,279.36.

VISIT OF TEACHER FROM OTHER UNIVERSITY. Prof. Arnold J. Toynbee, Univ. of London, Armstrong Lectures, "Russia's Byzantine Background."

RETIREMENT. Prof. C. B. Sissons (Classics).

RESIGNATIONS. Prof. S. H. Gould, on appt. as Assoc. Prof. of Maths. at Purdue Univ.; Prof. E. A. Havelock, on appt. as Assoc. Prof. of Classics at Harvard Univ.; Prof. T. C. Shore, to take a post with the United Nations Organization, New York; Prof. T. C. Young, on appt. as Assoc. Prof. of Persian at Princeton Univ.

HONORARY DEGREES. *D.D.*—Rev. Leland Sanford Albright, New York; Rev. President William Thomas Flemington, Sackville, N.B.; Rt. Rev. Thomas William Jones, Montreal; Rev. Alexander McCrea, Belfast; Rev. Kim Kwan Sik, Korea.

STUDENTS. Total 2772; full-time: 2703; part-time: 69; the total includes 1018 women and 59 postgraduates

DEGREES. *Theology*—B.D., 14; Th.D., 2; Diplomas, 19; *Arts and Commerce*—439.

UNIVERSITY OF WESTERN ONTARIO

LONDON, ONT.

Founded 1878

Cable Address—Uwestario.

VISITOR—His Honour the LIEUT.-GOVERNOR OF ONTARIO.

CHANCELLOR—ARTHUR R. FORD.

CHAIRMAN OF THE BOARD OF GOVERNORS—A. T. LITTLE.

PRESIDENT—G. E. HALL, A F C., M S.A. Tor, M D. Tor., Ph D Tor ;
F R S.C.

VICE-PRESIDENT—F. LANDON, M.A., F.R S.C.

REGISTRAR—HELEN M. B. ALLISON, M A Minn

LIBRARIAN—J. J. TALMAN, Ph.D Tor.

COMPTROLLER—R B. WILLIS, M.A

DEAN OF WOMEN—LEOLA NEAL, Ph.D. Toronto.

TEACHING STAFF

Anatomy

Skinner, H. A., M.B. Tor. Prof

Barr, M. L., M.Sc., M.D.
Assoc. Prof.

5 Instrs.

Astronomy, v. Maths.

Biochemistry

Rossiter, R. J., B.A., B.M., B.Ch.,
D.M., M.A., D.Phil. Ox.,
B.Sc., F R I.C. Prof.

De Luca, H. A., M A, Ph.D. McG.
Asst. Prof.
2 Instrs.

Biology, Applied

Detwiler, J. D., M.A. Qu., Ph.D.
Corn Prof.

Brown, A. W. A., M.B.E., B.Sc.F.,
M A, Ph D Tor Assoc. Prof.

Botany

Hart, N. C., M.A. Tor. Prof.

Walker, A. R., M.A. Tor. Prof.

McLarty, D. A., Ph D Columbia
Asst. Prof.

Business Administration [Prof.

Thompson, W. A., M.B.A. Harv.

Jarman, E. G., B.A. Asst. Prof.

Carrothers, C C., B.A., LL.B.
(Comm Law) Lectr.

Bonner, B., Ph.B. Chic., Ph.D. N.
Carolina Assoc. Prof.

Taylor, R. B., B.A. Asst. Prof.

Chemistry

Gunton, J. A., M.A. McM., Ph.D.
Ill. Prof.

Burns, J. W., M Sc. Qu. Prof.

Sivertz, C., B.A.Sc. Br. Col., M.Sc.,
Ph.D. McG. Assoc. Prof.

Hunten, K. W., Ph.D. McG.
Assoc. Prof.

Watson, J. K., Ph.D. Tor.
Asst. Prof.

4 Assts.

Classics

Ralph, J. D., Ph.D. Chic., B.A.
Prof.

Pemberton, R. E. K., M.A. Ox.
Assoc. Prof.

Economic and Polit. Science

Inman, M. K., B.A. Acad., M.A.,
Ph.D. Harv. Prof.

Reilly, E. E., B.S.A. Tor., M.S.
Wisc Prof.
Harvey, W. B., M.A., LL.B.
Manit, Ph.D. Chic.

Assoc. Prof.
Pleva, E. G., M.A., Ph.D. Minn.
Assoc. Prof.
Bittner, C. J., Ph.D. Iowa
Asst. Prof.
Ivor, D., M.A., Ph.D. Lond
Asst. Prof.

1 Instr., 3 Lectrs

English

Jewitt, A. R., M.A. Ox, Ph.D.
Cornell Prof.
Albright, Evelyn, B.A. Tor., M.A.
Chic Assoc. Prof.
Stiling, F., M.A. McM. Assoc. Prof.
Klinck, C. F., M.A., Ph.D. Col-
umbia Assoc. Prof.
MacKinnon, M. H. M., M.A. Tor.
Asst. Prof.
Buckley, G. E., B.A. Mt. A., M.A.
Columbia Asst. Prof.
7 Instrs.

French, Italian and Spanish

Torrens, R. W., M.A. Harv., Ph.D.
Cornell Prof.
Turville, Ada Dorothy, Ph.D.
Columbia Assoc. Prof.
Jenkin, H. E., B.A. Lond.
Assoc. Prof.
Collin, W. E., L. ès L. Toulouse,
M.A. Assoc. Prof.
Montgomery, F., D. de l'U. Paris,
M.A. Asst. Prof.
4 Instrs.

Geology and Geography

Reavely, G. H., M.A. Prof.
Pleva, E. G., M.A., Ph.D. Minn.
Assoc. Prof.
Sinclair, W., M.Sc. McG.
Asst. Prof.
Suffe, G. H., Ph.D. California
Asst. Prof.
1 Instr.

German

Allen, R. A., M.A. Tor., Ph.D.
Chic. Prof.
Kalbfleisch, H. K., M.A. New
York Assoc. Prof.
2 Instrs.

Hebrew

O'Neil, Rev. A. H., M.A., D.D.
Prof.

History

Dorland, A. G., B.A. Qu., M.A.
Yale, Ph.D. Tor, F.R.S.C.
Prof.
Landon, F., M.A., F.R.S.C.
Assoc. Prof.

Maine, S. F., B.D. Vict., M.A.,
Ph.D. Chic. Assoc. Prof.
Talman, J. J., M.A., Ph.D. Tor.
Assoc. Prof.
Thomas, H. M., M.A., Ph.D. Harv.
Asst. Prof.
Balderston, W., M.A., Ph.D. Corn.
Asst. Prof.

Journalism

McCracken, G. W., B.A. Qu. Prof.
1 Instr., 4 Lectrs.

Law

Carrothers, C. C., B.A., LL.B.
Lectr.

Library Science

2 Instrs.

Mathematics and Astronomy

Kingston, H. R., M.A. Qu., Ph.D.
Chic. Prof.
Woods, A., M.A. Qu. Prof.
Magee, G. R., M.S., Ph.D. Chic.
Assoc. Prof.
Cole, R. H., M.A., Ph.D. Wisc.
Asst. Prof.

1 Instr., 3 Lectrs.

Medicine, v. infra

Philosophy and Psychology

Liddy, R. B., Ph.D. Tor, LL.D.
Mt. All. Prof.
Johnson, A. H., M.A., Ph.D. Tor.
Assoc. Prof.

Neal, Leola, Ph D. Tor. Asst. Prof.
 Turner, G., Ph.D. Tor. Asst. Prof.
 Wright, Mary, M.A. Tor.

Asst. Prof.

1 Instr., 2 Lectrs.

Physical Education

Dewar, W. A. D., M A Columbia
 Dir. and Prof

Barker, Mary, D.P.E.
 Dir for Women.

Metras, J. P. Dir of Athletics

Fairs, J. R., B.Sc., M.A. Columbia
 Instr.

Gettas, Irene, B A. Instr.

Physics

Dearle, R. C., M A., Ph D Tor.
 Prof.

Allen, R. L., M A Mt. All. Prof.

Wootton, G., M.A. Research Prof.

Foster, Alice Willena, M.A. Tor.
 Assoc. Prof.

Durnford, A. M. I. A. W., Ph D.
 Tor. Assoc Prof

2 Instrs.

Physiology

Edholm, O. G., M.B., B Sc Lond.
 Prof.

Stavraky, G. W., M.Sc., M.D.,
 C.M. McG., M.D. Odessa
 Assoc. Prof.

Slavonic Languages

Ignatieff, L., B.A. McG. (on leave)
 Instr.

Hercbergs, L., LL.B. Lond. Instr.

Secretarial Science

Gillespie, Mary, M A Columbia
 Assoc. Prof.

2 Instrs.

Zoology

Battle, Helen, M A., Ph.D. Tor.
 Assoc. Prof.

Johnson, W. H., Ph.D. Tor.
 Asst. Prof.

Kerswill, C. J., M.A., Ph.D. Tor
 Asst. Prof.

4 Assts.

Medicine

(for subjects of first 2 yrs.—Anat.,
 etc., v *supra*)

Anæsthetics

Jepson, G. L., M D. Asst. Prof.
 7 Assts.

Bacteriology and Immunology

Asheshov, I. N., M.B., B Ch.
 Saratov Prof.

Murray, R. G. E., M D., C M.
 McG., M.A. Camb Asst Prof.

1 Instr.

Medicine

Brien, F. S., B A., M B. Tor.,
 F.R.C.P. Can. Prof.

Campbell, F. J. H., B A., M.D.,
 F R C.P Lond Prof.

Crombie, D. W., M D., C M. McG.
 Asst. Prof.

Geddes, J. H., M.D. Asst. Prof.
 13 Instrs.

Medicine, Clinical Preventive

Hobbs, G E., B.A., M.D., D.I.P.
 Tor., M P.H Mich. Prof.

2 Instrs., 3 Lectrs.

Medicine, Physical

Coffey, T. H., D P.E., M.D., C.M.
 McG. Prof.

Obstetrics and Gynæcology

Tew, W P., M.B. Tor., F.R.C.S
 Ed. and Can., F R.C.O.G.

Prof.
 Clegg, F. R., M.D Assoc. Prof.

3 Instrs.

*Ophthalmol., Otol., Rhinol., and
 Laryngol.*

Armstrong, J. R., M.D. Prof.
 Brown, W J., M.D., C.M.

Trinity, F A.C.S. Prof.

McFarlane, D.C., M.D. Assoc. Prof.
 1 Instr.

Pathological Chemistry

Watson, E. M., M.Sc., M.D.,
 F.R.C.P. Ed. and Can. Prof.

1 Lectr.

Pathology

Fisher, J. H., M.Sc., M.D.,
F.R.C.P. Can. Prof.
Luney, F. W., M.D., D.P.H.
Assoc. Prof.
Paterson, J. C., M.B., M.D. Tor.,
B.Sc. (Med.) Assoc. Prof.

4 Instrs

Pædiatrics

Little, H. S., M.B. Tor., F.R.C.P.
Can. Assoc. Prof.
Denney, W. L., M.D. Asst. Prof.
4 Instrs.

Pharmacology

Waud, R. A., Ph.D. Chic., M.D.,
M.Sc. Prof.
2 Instrs.

Physiotherapy

McLean, W. J., M.B. Tor.
Assoc. Prof.
1 Instr.

Psychiatry

Stevenson, G. H., M.B. Tor.,
F.A.P.A., F.R.S.C. Prof.
6 Instrs.

Radiology

Wismer, H. S., M.D. Asst. Prof.
Andrus, P. M., M.D. Asst. Prof.
3 Instrs.

Surgery

McLachlin, A. D., M.D., D.Sc.,
D.Phil. Ox., F.R.C.S. (Eng.)
Prof.
Ramsay, G. A., M.D., F.A.C.S.,
F.R.C.S. (Orthop. S.) Prof.

Busby, E. D., B.A. McG., M.D.
Harv., F.A.C.S., F.R.C.S. Can.
Prof.
Grace, A. J., M.A., B.M., B.Ch.
Ox., F.R.C.S. Assoc. Prof.
Johnston, R. A., M.D. Asst. Prof.
3 Instrs.

Medical Research

Collip, J. B., C.B.E., M.A., Ph.D.
Tor., D.Sc. Alta., Harv. and
Ox., M.D. Alta., Laval, LL.D.
Manit., Qu., Alta., F.R.C.P.
Can., F.R.C.P., F.R.C.S.,
F.A.C.P., F.R.S. Director.
Burton, A. C., B.Sc. Lond., M.A.,
Ph.D. Tor. (Biophysics)
Assoc. Res. Prof.
Macallum, A. B., M.A., Ph.D. Tor.,
F.R.S.C. (Biochem.)
Res. Prof.
Macklin, C. C., M.D., M.A., Ph.D.,
F.R.S.C. (Histol.) Res. Prof.
Miller, I. R., M.B., M.A. Tor., M.D.
Munich, F.R.S.C., F.R.C.P.
Can., F.R.S. (Physiol.)
Res. Prof.
Noble, R. L., M.D. Tor., Ph.D.,
D.Sc. Lond. Res. Prof.
Noonton, G., M.A. (Physics)
Res. Prof.

Nursing

McDowell, Edith M., B.Sc., M.A.
Columbia Dean.
Walker, Mildred I., B.Sc., M.A.
Columbia Prof.
Ballard, Margaret B., B.A., B.Sc.
Assoc. Prof.
19 Lectrs.

AFFILIATED INSTITUTIONS

ASSUMPTION COLLEGE, Windsor, Ont. Principal, Prof. of Religious Knowledge, Very Rev. J. H. O'Loane, M.A., Columbia. 56 other Profs. and Instrs. in Arts subjects.

URSULINE COLLEGE, London, Ont. Dean and Prof. of English, Mother M. St. James, M.A. Qu. 11 other Profs. and Instrs. in Arts subjects.

WATERLOO COLLEGE, Waterloo, Ont. President, Prof. of Religious Knowledge, Rev. H. Lehmann, D.Th. 19 others in Arts Dept.

These three Colleges give the full 4-yr. Arts Courses.

ST. PETER'S SEMINARY COLLEGE OF ARTS, London, Ont. Rector, Mgr. A. P. Mahoney, V.G., D.P. 10 other Professors of Arts subjects.

MUSIC TEACHERS' COLLEGE, London, Ont. Director, Prof. Max Pirani.

ALMA COLLEGE, St. Thomas, Ont., is a Junior Coll., giving the first 2 yrs in Arts only. Principal, Rev Bruce Millar, B.A. Tor., B.D. Vict. 7 other teachers.

HURON COLLEGE, London, Ont., is a theological coll. Principal, Prof. Divinity and Hebrew, Rev. A. H. O'Neil, M.A., D.D. Other teachers not on staff of the Univ.: The Most Rev. The Archbishop of Huron, D.D., LL.D., Lectr. in Bib. Exeg.; Rev. M. B. Parker, B.A., B.D., M.A. Columbia, Instr. in Greek; Rev. R. P. D. Hurford, B.D., D.D., Wycliffe, Lectr. in N.T., Rev. R. H. L. Slater, M.A. Camb., Ph.D. Col., Prof. of Ch. Hist. and Apologetics; Rev. C. V. McLean, M.A. Tor., Ph.D. Col., B.D. Union, Lectr. in O.T.; Rev. R. R. Latimer, M.A. McM., Lectr. in O.T.

GENERAL INFORMATION

Incorporated by an Act of the Provincial Legislature in 1878 as the "Western University of London, Ontario," in connexion with the Church of England, the Univ. has become, under the provisions of amending Acts of 1908 and 1923, absolutely undenominational in its government, which is under provincial and municipal control. It consists of 3 Instns., the Coll. of Arts (University College), the Medical School, and the School of Nursing.

FACULTIES. Arts (Dean—Prof. H. R. Kingston), Medicine (Dean—J. B. Collip), Nursing (Dean—Prof. Edith M. McDowell).

DEGREE COURSES. 4 or 5 yrs. (from Junr. Matricn.), B.A.; 5 yrs., B.Sc. (in Nursing); 1 or 2 yrs.' graduate work, LL.B., M.A., M.Sc.; 6 yrs., M.D. Attendance on part of the classes (other than Med. and Sci.) may be dispensed with by the Senate, but all students must have attended lectures in the Univ. for at least 2 yrs. before they can graduate.

DIPLOMAS AND CERTIFICATES. Diploma in Business Administration; Diploma in Public Administration; Diploma of Public Health (D.P.H.); Diploma in Music (Pedagogy), 2-yr. course in Music Teachers' Coll.; Diploma in Home Economics, 2-yr. course; Certificate of Public Health Nurse (C.P.H.N.); Certificate of Instructor in Nursing (C.I.N.); courses each 1 yr., for graduates in respective fields.

FEES. Annual: Arts, \$200-\$235; Medicine, \$390; Nursing, \$200.

THE LIBRARIES contain c. 177,000 vols. and several thousand pamphlets. The Barnett collection contains many rarities dealing *inter alia* with Canadian and American history. The Shakespeariana number c. 1500 vols. and several thousand pamphlets.

EXTRA-MURAL WORK. Regularly carried on.

PUBLICATIONS. *Calendar* (May); *Report of Faculty of Public Health* (May); *Medical School Announcement* (May); *Commerce Quarterly*; *Medical Journal*; *Univ. Gazette*, twice a week during term; *Occidentalia* (May).

THE YEAR 1946-47

OUTSTANDING BENEFACTIONS. Total, \$1,536,289 for medical and other research, maintenance and building funds: Medical Research, \$64,470; Other Research Grants, \$43,435; Annual Maintenance Grants, \$345,884; Carnegie

Corporation for French and English Summer Schools, \$2500; D.V.A., \$140,000; Building Funds (including \$625,000 grant from Province of Ontario), \$940,000.

NEW BUILDINGS. New wing added to Science Building.

NEW DEPARTMENTS. Medical Research, Sub-Departments of Clinical Preventive Medicine and Physical Medicine.

RESIGNATION. Prof. D. O. Robson (Classics), on appt. to Victoria Coll. of the Univ. of Toronto.

RETIREMENTS. President W. S. Fox, Dean K. P. R. Neville, Dean A. J. Slack, Principal P. S. Dobson.

HONORARY DEGREES. *LL.D.*—Dr. W. J. Stevenson, early member of Medical Faculty; Major J. W. Foote, former student; Hon. Ray Lawson, Lt.-Gov. of Ontario, Official Visitor of the Univ.; Hon. George A. Drew, Minister of Education, Premier of the Province; Lt.-Gen. Charles Foulkes, former student. *Litt.D.*—Rev. J. T. Muckle, Institute of Medical Studies, Univ. of Toronto; Dean K. P. R. Neville, University Registrar for forty years, Dean of Arts for twenty years.

STUDENTS. Full-time: 2971, including 55 graduates; part-time: 1717, including 29 graduates; net total: 4112 (excluding duplicates).

DEGREES, DIPLOMAS AND CERTIFICATES. B.D., 3; B.A., 397; M.A., 10; B.Sc., 50; M.Sc., 17; M.D., 34; Diploma in Business Admin., 14; Diploma in Home Economics, 2; Diploma in Music, 11; Certif. of Public Health Nurse, 16; Certif. of Instructor in Nursing, 12.

THE UNIVERSITIES OF AUSTRALIA

ADELAIDE
QUEENSLAND

AUSTRALIAN NATIONAL UNIV.
SYDNEY
WESTERN AUSTRALIA

MELBOURNE
TASMANIA

GENERAL DESCRIPTION

[Revised in 1931 and 1936 by Professor J. T. Wilson, M.A., LL.D., M.B., Ch.M., F.R.S. and further revised in 1939, 1947, and 1948 by the Australian Vice-Chancellors' Committee.]

EACH State of the Commonwealth of Australia possesses a University in its capital city. Geographically they are by no means near neighbours. Those most widely separated—at Brisbane and Perth respectively—are effectively not less than 3000 miles apart; whilst to visit even the nearest sister University involves in each case a journey of some 500 miles.

Nevertheless these Universities form a relatively homogeneous group owing to their general similarity of origin and constitution and to their relationship to the communities which they serve. All of them owe their establishment to Acts of the State Legislatures carried through in response to popular demands. They are not, however, "State Universities" in the American sense, but, like the British Universities generally, are, by statute and Royal Charter, self-governing academic corporations.

Underlying this general uniformity of type there are not a few individual differences and variations. These may be referred to several factors. Differences in dates of foundation (1850-1911) necessarily determine more or less the stage and degree of academic development actually reached; also, the academic ideas current at different foundation periods have undoubtedly impressed themselves on the academic structure and development of both older and younger Universities. Further, another obviously important differentiating factor has been that of inequality of material resources available, both from private endowment and from State subsidy—the latter being naturally dependent in large measure on the extent of the population of the State concerned.

An Act passed in 1946 by the Parliament of the Commonwealth provides for a new Australian National University at Canberra, which when inaugurated will probably differ markedly from the other Universities in some features, notably in the predominance of postgraduate studies. Mention should also be made of two provincial developments—the establishment by the University of Sydney in 1938 of New England University College at Armidale, N.S.W., and the opening by the University of Melbourne in 1947 of its Mildura Branch—each of which may well in the course of time become a separate University which is not situated in a metropolitan city.

RESIDENTIAL COLLEGES. The founders of the first Australian Universities would appear to have been influenced, to some considerable extent, by the conception of a University which is embodied in the ancient residential foundations of Oxford and Cambridge. Doubtless this was due in part to the fact that they were contemplating Universities which were to serve the large, and comparatively thinly populated areas of the several Australian Colonies (long before the date of the federation as States of a Commonwealth). In these early Australian Universities, the general system of University education was on line similar to those of the modern English Universities, and conformed to the official policy of secular education; but provision was made at the outset for residential colleges, which were—as in Oxford and Cambridge—conceived as religious foundations. The circumstances of time and place made it inevitable that such religious foundations should be entrusted to the Churches of the leading Christian denominations: namely: Church of England, Presbyterian, Methodist, and Roman Catholic.

In the case of the first two Universities, those of Sydney (1850) and of Melbourne (1853), substantial areas were set apart, within the land reserved for University purposes, and offered as sites to the four Churches named, for the founding of residential colleges. In due course, the following colleges were so founded, with governing bodies appointed by the several Churches: Sydney—St. Paul's (1854), St. John's (1857), St. Andrew's (1867), Wesley (1910); Melbourne—Trinity (1872), Ormond (1879), Queen's (1888), Newman (1916). Not long after the founding of colleges for women at Oxford and Cambridge, provision for residence of women students was made as follows: Sydney—The Women's College (1890), not a Church foundation, Sancta Sophia (1929) originating (in 1925) as a hall of residence associated with St. John College; Melbourne—University Women's College (1937), again not a Church foundation, preceded by halls of residence, namely, Jane Clarke Hall (1886) and St. Mary's Hall (1916), associated respectively with Trinity and Newman Colleges.

What a "College"—"within the University of Sydney" or "and within the University of Melbourne" (to quote the official descriptions)—should connote, in the circumstances of these Universities and Colleges, was a new and very difficult problem. Because of a variety of exceptional factors, the furthest advance towards a solution of the problem has been made in the Colleges of the University of Melbourne—with a well-established College tutorial system, a large membership of non-resident College students, a liberal system of resident scholarship and non-resident exhibitions, and a considerable measure of organic relationship to the Faculties, and to the governing body, of the University. In the University of Sydney, where circumstances were, at the earlier stages, not so favourable for such a development, the College system has a place of parallel importance—with certain characteristic differences.

In the Universities of all the other States, there are Colleges at different stages of development. In the University of Queensland (founded 1910), where provisions were laid down by statute for resident

of all students (including recognition of the residence of a student in his own home), the following Colleges were founded Emmanuel (1912), St. John's (1912), King's (1912), the Women's College (1914—not a Church foundation), St. Leo's (1917), Duchesne (1936). And, on the new site for this University, at St. Lucia, land is being set apart for these Colleges. In the University of Adelaide, St Mark's College (1925) is an Anglican foundation, as are also St. George's (1931) in the University of Western Australia, and Christ College (1933) in the University of Tasmania.

In order to understand the place which the College system occupies in the Australian Universities, it should be remembered that, while membership of a College implies membership of the University to which the College belongs, membership of the University does not necessarily imply membership of any of its Colleges. College tutorials are, therefore, supplementary to the teaching which the University provides for all its students (whether members of a College or not) and, in consequence, vary considerably from university to university. There is also considerable variation in the scale of College fees.

The Colleges in all the universities are open to all students of good standing, without distinction of religious belief.

THE AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA. Pending the establishment of a University at the Australian Capital, a University College was established under the Canberra University College Ordinance 1929-36. By virtue of a temporary regulation of the University of Melbourne, which expires on 31st December, 1948, the College is empowered to provide approved lectures in the subjects of the Arts, Science, Commerce and Law courses in preparation for the examinations for certain degrees and diplomas of that University.

In 1946 the Australian National University Act was passed by the Commonwealth Parliament, under which a University will be established in the Australian Capital Territory, particularly to provide facilities for research and postgraduate study. The Act specifically mentions a School of Medical Research, a Research School of Physical Sciences, a Research School of Social Sciences, and a School of Pacific Affairs and Diplomatic Studies. Provision is also made for the incorporation of Canberra University College in the new University. An Interim Council has been appointed to handle the preliminary matters preparatory to the actual inauguration of the National University.

CONSTITUTION OF UNIVERSITIES. A. *Governing bodies.* In their statutory constitution the governing bodies of all the Australian Universities present a generally similar composite character, whilst differing in the proportions of the component elements. Their membership varies in number from 18 to 31. In every case there is a substantial proportion of representatives elected by the general body of graduates, varying from one-third to more than one-half of the total membership, but only in Adel. does it form the preponderant element. In every University there is now a more or less direct representation of the State on the governing body, either by nomination by the Governor-in-Council or by election by the Houses of Parliament, and in two cases

by *ex officio* representation of the State Department of Education. In the more recently founded Universities the representation of the State Government is strong; in one instance it is equal to the academic, and in another it is even slightly preponderant.

The academic representative element invariably includes representatives of the teaching staff, though only in Sydney, Melbourne and Tasmania by independent statutory right. In most cases their number is by ordinance limited to three, elected as part of the general representation of the academic body by the graduates.

The Melbourne University Act of 1923 introduced certain novel provisions, namely, that the Government nominees shall include representatives not only of Parliament but of manufacturing, commercial, agricultural, and industrial interests, as well as a representative of the technical schools; it also provided that two Heads of Colleges and two elected representatives of the undergraduate body shall have seats on the governing body.

The governing body in the Australian Universities is designated either the "Senate" (Syd., Queens., W. Aust.), or "Council" (Melb., Adel., Tas.).

B. Graduate academic body. As in the British Universities generally, there is in each of the Australian Universities another statutory academic body, consisting in the main, though not in all cases exclusively, of the general body of graduates (usually of at least three years' standing). In Queensland the Governor-in-Council may appoint as members of this body one representative of "any commercial, industrial, scientific, professional, or educational society, institution, or association within Queensland." In the University of Western Australia the "Guild" of undergraduates has the right of electing one member of this body.

In those Universities in which the governing body is entitled "Senate" the graduate body is called either Convocation or Council. Where the governing body is styled "Council" the graduate body is called either Senate or (in Melb. since 1923) Convocation.

Whilst the main effective function of this body is its electoral choice of its own representatives on the governing body, it has also, in several Universities, powers (often exercised through a Standing Committee) of deliberation, approval, and confirmation in respect of matters submitted to it and in some instances of suggestion, but in no case of initiation of University legislation.

C. Other administrative bodies. The general routine of studies and discipline is usually controlled by a "Professorial Board," whilst the special curricula of studies are the immediate concern of the Faculties and special Boards of Studies. Matters of discipline are in one or two instances dealt with by a special Proctorial Board or Board of Discipline.

ADMISSION. Attempts have been made without success to devise a common matriculation. The difficulty lies in difference of policy as to the part to be taken by entrance examination as a qualifying test, and as to prerequisite subjects. Generally speaking, matriculation requirements include passing a recognized examn. (school-leaving, matriculation, etc.) in English and three or four other subjects. Special facilities are offered for

matriculation in some Universities and in some faculties to persons of mature age who have not had the opportunity of qualifying in the ordinary way of secondary education and who can pass certain special entrance tests. Owing partly to isolation by distance, migration of students from one University to another is not common. It would occur still more rarely were it not for the fact that some of the Universities do not yet provide opportunities for professional training in every direction, particularly in medicine. Hence it becomes necessary for some students, after one or two years' study in the University of their own State, to move to one of the older and larger Universities in order to continue their professional training.

Although the requirements for entrance at the various Universities are not completely uniform, all possible reciprocity is exercised in the matter of such interchange of students, whether from Australian or British Universities. In general the Universities will admit to matriculation *ad eundem statum* a student who has matriculated or qualified to matriculate at another University of recognized standing, but in some cases the passing of compulsory "prerequisite" subjects for particular courses may be required.

THE ACADEMIC YEAR. Undergraduate status is ordinarily defined in terms of academic years of study, *e.g.* "first year," "fifth year," etc.

The academic year begins in March and ends in Nov. or Dec. It is subdivided into Terms, usually three, which may or may not include special examination periods. The Universities of Melbourne and Tasmania have each four Terms, but the fourth Term in these cases is devoted to examinations.

Although the inclusive dates of the terminal periods show some discrepancy in the different Universities, arrangements have been made to secure the coincidence of a substantial part of the inter-term vacations.

PERIODS OF STUDY. The University requires not less than 3 yrs.' study for a B.A. or B.Sc.—in most cases, 4 yrs. if taken with Honours. The curriculum for the first degree in Med., formerly 5 yrs., has been lengthened to 6. The time needed to graduate in Law is usually 4 yrs., but some Universities allow graduates in Arts to shorten the prescribed period. Since regulations do not always require each successive "year" to be taken as a whole, but allow credit to be given for subjects taken separately, many students, especially those able to give only part time to their studies, spread their courses over periods longer than the normal. For information regarding other degrees and periods of study therefor, *see under* the several Universities.

FEES AND COST OF LIVING. The cost of living varies a good deal in different parts of Australia. A student will probably not notice much difference between Sydney and Melbourne in this respect. But anywhere he will find that £250 a year gives him quite sufficient means, for the climate is benign and good food is plentiful. The style of living everywhere is unostentatious. Decent board and lodging should not cost more than 45s. a week. Meals at the cost of 1s. 6d. to 2s. 6d. can generally be obtained at the University by members of "Unions" and

others. Sydney University Union has a Refectory seating 450, and one-half of it is open to all members of the University and their guests. Adelaide University has a Refectory seating 400, and Melbourne has a Union building containing dining-rooms seating upwards of 700. Western Australia has at present accommodation in its dining-rooms for about 200. A developed Union at an Australian University also provides all the comforts of a non-residential Club for £1 or £2 a year. The new Union House at the University of Melbourne has many social and cultural amenities, including a Theatre, Art Gallery, and private entertainment rooms. Rowing, football, cricket, and other games may be had in the Sports Clubs on correspondingly easy terms, and numerous Inter-varsity contests are held in vacations under the auspices of the Australian Universities' Sports Union.

Residence at a College is optional. College fees for residence and tuition are on an inclusive basis and range from 60 to 120 gs. per annum. Thus Wesley College, Sydney, charges 30 gs. a term for resident students; Ormond, Melbourne, from 110 to 120 gs. a year for residence during terms, according to the course being taken. St. John's, Queensland, has fees of £21 per term, and the rates at the other Queensland Colleges are practically the same. The fees at St. Mark's College, Adelaide, are 128 gs per annum. The University of Western Australia has, since the War, a hostel with accommodation for 140 at a weekly charge of 40s. Special arrangements can always be made for residence during vacations; for an example, Ormond then charges 2 gs. a week. Many men live in College on a total income of not much more than £150 a year; it is doubtful if any will spend double that amount. There are few rich students and no tradition of expensive living among College men, no charming but costly ancient customs. Many of the Colleges have liberal endowments for Scholarships and Bursaries.

For University fees *see under* the several Universities below.

CURRICULA AND COURSES OF UNIVERSITY STUDIES. In general it may be said that the character and range of studies in the Australian Universities correspond fairly well with those of British Universities of comparable size and organization. There is, however, one notable exception: in accordance with the exclusively secular character of the Universities of Australia a Faculty of Theology is lacking in all of them, and until 1936 no degrees in Divinity were obtainable in any Australian University, although under special Acts of Parliament they may be given by other institutions, such as the Melbourne College of Divinity. In the case of the University of Sydney amending legislation passed in 1936 removed the exception of degrees in Divinity and Theology and the University has now courses leading to the degree of Bachelor of Divinity and may confer the degree of Doctor of Divinity. More or less associated with this situation is the paucity of courses of study in Semitic languages or literature, a Professorship for which, however, exists in Melbourne. There is a chair of Oriental Studies (in the "Far East" sense) at Sydney. (A certain amount of teaching in Semitic languages is provided in Theological schools maintained by some of

the religious denominations.) There is an Institute of Modern Languages at the Queensland University which provides courses up to Senior (School Leaving) Examination standard. The courses available in 1936 were Chinese, Dutch, French, German, Hebrew and Italian. For the benefit of theological students Biblical Literature became an optional subject of the Faculty of Arts from the beginning of 1938. The University of Melbourne includes Dutch, Hebrew, Russian, and Arabic in its regular curriculum, and provides through its Extension Board classes in Japanese and other languages.

Subdivision of University studies into groups, under Faculties and Boards of Studies, has been carried further than is usually the case in British Universities. There has thus been a considerable accession of new Faculties beyond those traditionally recognized. The general principle has been largely, though not consistently, adopted that any definite and distinct curriculum, leading up to the award of a distinctive degree or degrees, warrants the creation of a separate and distinct Faculty as a Board for the regulation of the studies and examinations in such a curriculum.

Concurrently with this development there has been a marked tendency to the specialization and multiplication of distinctive degrees, so that in some cases we find that even within the limits of a single Faculty several distinctive degrees are obtainable along more or less differentiated lines of study. A conspicuous instance of this is seen in the Faculty of Engineering in Melbourne, in which no fewer than twelve different degrees may be awarded as Bachelors and Masters of different branches of Engineering—Engineering Science, Civil, Mechanical, Electrical, Mining, and Metallurgical—besides a Doctorate of Engineering. As many as thirteen different Faculties are found among the various Universities, with a maximum number in Melbourne of twelve. In Sydney there are ten Faculties and in Adelaide eight. The establishment of Faculties of Law, Medicine, and Veterinary Science at the beginning of 1936 brought the number in Queensland up to nine.

Each University possesses Faculties of Arts, Science, Law, and Engineering. All except Tasmania have Schools or Faculties of Agriculture. Sydney and Queensland have Schools of Veterinary Science organized as separate Faculties, Western Australia teaches Veterinary Science only as part of the Agricultural course. The course in Veterinary Science is at present suspended in the University of Melbourne, and students desiring to qualify for a degree must proceed to Sydney after the completion of their first year. In N.S.W. and W. Australia the law requires such qualifications as practically involve the Univ. curriculum in Veterinary Science.

The subject of Economics is represented by separate Professorships in each University, except in Queensland, where there is a joint Chair of History and Economics. In Sydney there is a separate Faculty of Economics, but, as there is no Faculty of Commerce, it includes all the various branches of both Economic and Commercial Studies. In Melbourne there is a Faculty of Economics and Commerce, and in Queensland and Tasmania there are Faculties of Commerce; in these Universities there is a degree of Bachelor of Commerce, while the special-

ized degree in Adelaide and Sydney is Bachelor of Economics. In all the Universities (including Western Australia), however, Economics is ordinarily included also as a subject which may be taken for an Arts degree.

In Sydney and Melbourne there are fully organized Faculties of Architecture, with Chairs in the subject. There is a degree course in Surveying and a diploma course in Architecture in Queensland, both in the Faculty of Engineering, and in Adelaide a special course in Architecture within the Faculty of Engineering leads to the degree of Bachelor of Engineering.

Melbourne and Adelaide have each a Faculty of Music with a full Professorship and a Conservatorium. In Sydney there is a Conservatorium entirely independent of the University which has, however, recently established a Chair of Music in the Faculty of Arts. In Tasmania music is not taught, but if studied privately credit may be given for one of the subjects of the Arts degree. In Queensland, Music may be taken as a subject of the first year of the B.A. course.

Melbourne has a Faculty of Education granting University degrees of Bachelor and Master of Education, previous qualification for another degree being a condition of entrance to the Education course. The Faculty contains several representatives of the State Department of Education. Western Australia grants a first degree in Education; in the other Universities the subject of Education comes under the Faculty of Arts and enters into the composition of such alternative curricula for the Arts degrees as are specially adapted to the requirements of the professional training of teachers. The Professors of Education are usually, but not always, associated with the State Training Colleges. Special Diplomas in Education are obtainable in the Universities of Sydney, Adelaide, Queensland, and Tasmania by University graduates or by students who have qualified for a degree (W. Aust.) and have had approved practical experience of teaching. Courses in Physical Education controlled by a Board of Studies and leading to a Diploma are now available in each of the larger Universities.

Several of the Universities provide courses in Social Studies leading to a Diploma, and there is a special Diploma course at Canberra University College in Diplomatic Studies.

The University of Melbourne has recently established the degree of Doctor of Philosophy, for which graduates of certain standing in any Faculty are eligible upon the successful completion of a full-time course of two years' advanced study and research in the University. A similar step is under consideration in some of the other Universities.

PROFESSIONAL SCHOOLS AND RESEARCH INSTITUTES. Each of the three older Universities, of Sydney, Melbourne and Adelaide, possesses well organized and equipped professional schools under their Faculties of Medicine and Dentistry. These schools have long been, and are now, mainly responsible for the training of the medical and dental professions in Australia, whilst not a few of their graduates may be found occupying responsible positions outside Australia. The teaching and research staffs of these schools are also now largely recruited from the ranks of their own more distinguished graduates, but they are continually being

reinforced by other teachers of distinction from outside Australia. Faculties of Dentistry and Medicine were established in Queensland in 1935 and 1936 respectively, while in Western Australia a Faculty of Dental Science commenced in 1946 and the establishment of a medical school is under consideration.

The relationship of the Medical Schools to the great general hospitals is intimate and effective. The University of Melbourne appoints Clinical Supervisors to each of the Teaching Hospitals to co-ordinate the clinical training of students. There is thus secured an extensive and varied clinical field, not only for undergraduate training, but in increasing measure for more advanced and specialized postgraduate study and research in conjunction with the scientific laboratories of the Universities and other research institutions. Such postgraduate work in various departments of specialized study now finds manifold guidance, and receives full official recognition, in connexion with the Diplomas awarded after appropriate courses of study. Amongst these may be specified the Diplomas in Psychological Medicine, Clinical Pathology and Radiology at the University of Sydney and the Australian Diplomas in Public Health, Tropical Medicine and Tropical Hygiene from the Federal School of Public Health and Tropical Medicine in the University of Sydney, and more or less corresponding courses in the University of Melbourne, both these Universities also granting Diplomas in Ophthalmology, Laryngology and Otology, in Gynaecology and Obstetrics, in Therapeutic and Diagnostic Radiology, in Psychological Medicine, and in Anæsthesia.

A Biophysics Section was established in Queensland in 1937 to manufacture radon and to carry out other work in connexion with the treatment of cancer. In Adelaide, the Anti-Cancer Campaign Committee maintains a radium and deep X-ray clinic at the Royal Adelaide Hospital, and a plant at the University for the production and manipulation of radon. Under an arrangement with the University of Melbourne the Commonwealth Government maintains there an X-ray and Radium Research Laboratory.

The University of Adelaide established in 1925 the Waite Agricultural Research Institute, an important centre for research in agricultural and allied subjects at Glen Osmond, three miles from the city.

The University of Western Australia established in 1938 an Institute of Agriculture, which serves as a centre for research in agricultural science, and has set aside a portion of the University grounds for investigational purposes, with accommodation for plant and animal experiments.

There are various University and associated Research Institutes in Adelaide, Melbourne and Sydney, where investigation is carried on into problems of Pathology, Bacteriology, Pharmacology, Radiotherapy, Cancer Research, Animal Nutrition, Entomology, etc.

The Commonwealth Government has each year since 1936 made grants for distribution among the Universities to assist research and the training of research workers in various groups of sciences, including the physical, biological, social and medical fields. These grants, together with State Government support and the Universities' own endow-

ments for the purpose, have provided a strong stimulus for research developments within the Universities themselves.

DIPLOMAS. Numerous University Diplomas are now obtainable in various branches of study in the Universities of Australia. They may be classed under three categories: (a) those obtainable by graduates as supplementary qualifications in particular subjects after special courses of study. To this group belong the postgraduate Medical Diplomas already mentioned and also certain Diplomas in Education; (b) Diplomas obtainable by non-graduates after shorter or less comprehensive courses of study than those required for a University degree covering the same subject. This group includes certain Diplomas in Commerce, Public Administration, Agriculture, Engineering, Music, and Dramatic Art. (c) Diplomas in subjects, usually of limited range, for which no special University degree is available, *e.g.* Journalism, Pharmacy, and Anthropology. The present tendency is to reduce the number of sub-graduate Diploma courses while extending the range of post-graduate Diplomas.

EVENING LECTURES. Full University courses of evening lectures in Arts, and in some cases in Science, Commerce and Law subjects, are provided by the Universities of Adelaide, Melbourne, Sydney, Queensland and Western Australia to enable a degree in those Faculties to be obtained by persons whose occupations preclude their attendance at the University during the day. In Tasmania a number of lectures are given between 5 P.M. and 8 P.M. In Queensland the evening classes, generally of one hour duration, are held between 8 P.M. and 9 P.M.

EXTERNAL STUDENTS. Under the Regulations of the Universities of Melbourne and Queensland, attendance at lectures is not compulsory except in specified subjects. (These naturally include most scientific subjects which require laboratory facilities.) It is therefore possible, though not common, to obtain an Arts degree as a purely external student. In Western Australia correspondence classes for external students are carried on in most Arts subjects under the guidance of tutors and with the help of a circulating reference library. Melbourne also provides correspondence tuition in certain subjects, but only for students resident in the country districts of Victoria.

The Universities all provided during the War correspondence courses by which serving members of the Forces were enabled as external students to complete parts of their degree courses in non-laboratory subjects.

In the Universities of Adelaide, Sydney and Tasmania exemption from some of the lectures of a course may be granted in special cases in which reasonable cause is shown.

In all the Universities there is provision for the recognition, for degree purposes, of various courses of instruction in affiliated institutions such as Technical Schools and Colleges.

UNIVERSITY EXTENSION LECTURES were instituted at Sydney Univ. in 1886 and at Melbourne in 1891. In 1913 Workers' Educational Associations were formed in all the States to give effect to a movement for bringing the Univs. into closer relationship with the masses of the

people. The movement was fostered by State grants and grew rapidly. Each Univ. co-operates with the W.E.A. in the formation of a joint committee, which appoints tutors and supervises the work with the help of a Univ. officer—the Director of Tutorial Classes. A federal W.E.A. for Australia has its central office in Melbourne. The total number of students throughout Australia is over 6000. In addition to these courses, a great many preparatory classes, study circles, and summer schools are organized by the Assocn., numerous courses of public lectures are delivered, educational conferences promoted, and an extensive book service is carried on. In Victoria, adult education is the responsibility of a statutory Council of Adult Education working in liaison with an Extension Committee in the University. A correspondence study department has been inaugurated in connexion with the W.E.A. activities in Queensland. In Western Australia extension classes are conducted at the University, in the city and suburbs, with an Adult Education library, books from which are available to groups in country areas. Western Australia has no W.E.A. organization, and the work is under the control of an Adult Education Board representative of University and other interests.

OVERSEAS SCHOLARSHIPS. Scholarships for study overseas are awarded by individual Universities and by such bodies as the British Council, Carnegie Corporation, Nuffield Trust and Gowrie Trust. These scholarships enable selected students to extend their studies in the postgraduate field and are a valuable link between the Universities of Australia and those of England.

FREE PASSAGES TO EUROPE. Before the War the following first-class passages were granted annually to Australian and New Zealand Univs. for graduates proceeding to Europe to continue their studies: Adelaide, 3; Melb., 4; Queensland, 3; Syd., 4; Tasm., 2; W. Aust., 3; N.Z., 4; available by any of the following Lines: Aberdeen, Blue Funnel, Orient, P. & O., and, for N.Z. graduates only, N.Z. Shipping and Shaw, Savill & Albion. The scheme was suspended during the War and is still in abeyance.

INTER-UNIVERSITY ORGANIZATIONS

After a conference held at Sydney in May 1920 the Australian Univs. established a Standing Advisory Committee to deal with matters of common interest. The present headquarters of the Committee, now known as the Australian Vice-Chancellors' Committee, are Melbourne University. The Vice-Chancellor of Melbourne Univ. acts as Chairman of the Committee. The Committee meets twice a year, usually in March and August. The present secretary is Mr. A. J. G. Williams.

As the result of a conference held in January 1942 between representatives of the Universities and of the Commonwealth Government, a Universities Commission was set up by the Government and has now become a permanent official organization with particular responsibility for the management of a scheme of financial assistance to students and of the arrangements at University level of the Commonwealth Reconstruction Training Scheme for ex-Service men. The Commonwealth

Director of Education (Professor R. C. Mills) is the Chairman of the Commission, which has regular conferences with the Vice-Chancellors' Committee. The Commission has its head office in Sydney, and branch offices in each University.

STATISTICS of University teachers, students, and finance are published annually in the official Year-Book by the Commonwealth Bureau of Census and Statistics, from which a more detailed bulletin in typescript form may be obtained.

THE UNIVERSITY OF ADELAIDE

Founded 1874

Address—Adelaide, South Australia.

VISITOR—H.E. THE GOVERNOR.

CHANCELLOR—The Hon Sir MELLIS NAPIER, K C M G , LL B.

VICE-CHANCELLOR—A P. ROWE, C.B E., B Sc. Lond

REGISTRAR—A W. BAMPTON.

LIBRARIAN—W. A. COWAN, M.A. N.Z., B.A. Lond.

TEACHING STAFF

<i>Agriculture</i> , v. <i>infra</i> , Waite Agric. Research Inst	Black, J. M. (Syst. B.) Hon Lectr. Cruickshank, Donella H., M Sc. Lectr.
<i>Animal Products</i> , v. <i>infra</i> , Animal Products Research Foundation	Adam, D. B., B.Ag Sc. Melb. (Plant Path.) Lectr. Womersley, H. B. S., B.Sc. (Cryptogamic B.) Lectr.
<i>Anatomy</i> , v. also Med.	McCarthy, Doreen F., B.A., B.Sc. (Biol.) Evg. Lectr.
Abbie, A. A., M.D., D Sc. Syd., Ph.D. Lond. Elder Prof.	Eardley, Constance M., B.Sc. Systematic Botanist.
Adey, W R., M.B., B.S. Lectr.	4 Demrs.
Barbour, J. R., M.B., M.S., F.R.C.S. Lectr.	<i>Chemistry</i>
Packer, A D., B.Sc., M.B., B.S. Lectr.	Macbeth, A K., C M.G., M.A. St And., D.Sc. Belf., F.R.I.C. Angas Prof.
Green, Lorna M. A., B A., B.Sc. (Histol.) Lectr.	Pennycuik, S. W., D.Sc. Reader.
<i>Bacteriology</i>	Winzor, F L., D Sc. Lectr.
..... Prof.	Pausacker, K. H., D.Phil. Ox., M.Sc. Melb. Lectr.
Atkinson, Nancy, M.Sc. Melb. Lectr.	Irving, R J., B.Sc. Lectr.
4 Demrs., 3 Research Assts.	Frahn, L. J., B.Sc. Lectr.
<i>Biochemistry and General Physiology</i>	Richards, C. A., M.A., B.Sc. Evg. Lectr.
Mitchell, M. L., M.Sc. Camb. Prof.	Mills, J. A., M.Sc. Research Fellow.
Nossal, P., B.Sc. Syd. Lectr.	5 Demrs.
Peirce, A. W , M Sc. (Agric. B) Lectr.	<i>Classics and Comp. Philol. and Lit.</i>
Cleland, Joan B., M.Sc. Tutor.	FitzHerbert, J. A., M.A. Camb. Hughes Prof.
2 Demrs	Corney, E. R., M.A. Lectr.
<i>Botany</i>	Hubbard, Margaret E., B.A. Tutor.
Wood, J. G., Ph.D. Camb., D Sc. Prof.	

Strehlow, T. G. H., M.A.
Research Fellow in Aus-
tralian Linguistics.

Commerce and Public Admin.

Painter, E. W., F.C.A. Aust.
(Accountancy) Lectr.
Duffield, G. L. Lectr.
Richardson, S. H., F.F.I.A. (Cost
Accountancy) Lectr.
Palmer, E. W., LL.B. (Coml. Law)
Lectr.
Kriewaldt, M. R. C., B.A. Wisc.,
LL.B. (Coml. Law) Lectr.
Wainwright, J. W., B.A.
(Pub. Admin. and Pub.
Finance) Lectr.
Woodroffe, Kathleen, B.A. (Polit
Instns) Lectr.
Daymond, L. B., B.Com. Tas.
(Com. Prac.) Lectr.
Ramsay, A. M., B.Ec. (Statistics)
Lectr.

6 Tutors in Accountancy.

1 Tutor in Statistics.

1 Tutor in Commercial Practice.

Dentistry, v. infra

Economics, v. also Com.

Tew, J. H. B., Ph.D. Camb. Prof.
Hirst, R. R., B.Ec. Lectr.
Seaman, G. F., B.Ec. (Stats.)
Lectr.

Education

Schulz, A. J., Ph.D. Zür., M.A.
Lectr.
4 other Lectrs.

Engineering, Architectural

Laybourne Smith, L., B.E.,
F.R.I.B.A. Lectr.

Engineering, Civil

Robin, R. C., M.E. Prof.
Farrent, T. A., B.Sc., B.E.
Reader.
Robinson, A. J., B.C.E. Melb.
(Surveying) Lectr.

Barker, A. B., B.Sc., B.E. (Indus-
trial E.) Lectr.
Culver, R., B.Sc. (Eng) Lectr.

Engineering, Electrical

Willoughby, E. O., M.A., B.E.E.,
B.C.E. Melb. Prof.
Forte, W. G., B.E. W. Aust. Lectr.
Vowels, R. E., M.E. Lectr.

Engineering, Mechanical

Davis, H. H., B.Sc., B.E. Syd.,
Ph.D. Camb. Prof.
Schneider, W. H., M.E. Lectr.
Downs, B., M.Eng. Liv. Lectr.
Duncan, J. P., B.E. Lectr.

English Lang. and Literature

Jury, C. R., M.A. Ox. Jury Prof.
Piper, H. W., B.A. Lectr.
Elliott, B. R., M.A. W. Aust.
Lectr.
Strehlow, T. G. H., M.A. Lectr.

Experimental Medicine

Trethewie, E. R., M.D., D.Sc.
Melb. Keith Sheridan Prof.

French

Cornell, J. G., M.A. Melb.,
L. ès L. Paris Prof.
Crampton, Mary H. St. Cl., M.A.
Lectr.
Ellis, Marcelle, L. ès L. Geneva.
Tutor.

Geography

Fenner, C. A. E., D.Sc. Melb.
Lectr.-in-charge.
Martin, F. C., M.A. Lectr.
Marshall, Ann, M.Sc. Melb. Lectr.

Geology and Mineralogy

Mawson, Sir Douglas, O.B.E.,
B.E. Syd., D.Sc., F.R.S. Prof.
Kleeman, A. W., M.Sc. Lectr.
Wilson, A. F., M.Sc. Lectr.
1 Demr.

German

Schulz, A. J., Ph.D. Zür., M.A.
Lectr.

*History, v. Polit. Sci. & Hist.**Law*

- Campbell, A. L., B.A., B.E. Syd
Bonython Prof.
- Chamberlain, R. R. St. C., K C.,
LL.B. (Criminal L.) Lectr.
- Pickering, A. L., LL.B. (Evidence
and Procedure) Lectr.
- Whittington, L. A., LL B (Com-
panies, Partnership, Bank-
ruptcy and Divorce) Lectr.
- Stevens, E. L., LL.B. (Equity and
Conveyancing) Lectr.
- Kriewaldt, M R. C., B.A. Wisc.,
LL.B (Property—Real and
Personal) Lectr.
- Piper, F. E., LL.B. (Private Inter-
national L.) Lectr.
- Phillips, E., K C., LL.B. (Mercan-
tile L) Lectr
- Hague, R. M., LL.B. (Jurispru-
dence, including Roman L.)
Lectr.
- Moulden, A. M., LL B. (Legal
Ethics) Lectr

Mathematics

- Sanders, H. W., M.A. Camb.
Elder Prof.
- Statton, J. W., B.Sc. Reader.
- Gray, M. C., B.Sc. Lectr.
- Cornish, E. A., M Sc. (Stats.)
Lectr.
- Sharpe, G. F., M.A. Evg. Lectr.

*Medicine, v. infra**Mining and Metallurgy*

- Spooner, E. C. R., D.Phil. Ox.,
D.Sc Tas. Prof.

Music

- Bishop, J. Elder Prof.
- Horner, J. A., F.R.C.O. Lectr.
- Parsons, H. S., Mus.Bac. Lectr.

Pathology

- Cleland, J. B., M.D., Ch.M. Syd.
Marks Prof.

Poynton, J. O., M A., M.D Camb.
Lectr.

Fisher, A. G., M.B., B S. Demr.

Wilhelm, D L, M.B., B S. Demr.

Fowler, M. C., M.B., B.S.
Research Asst.

Philosophy

Stewart, J. McKellar, D Phil.
Edin., M.A. Hughes Prof.

Finnis, M. M. S., B.A. Lectr.

Davey, Constance M, Ph D Lond.,
M A. (Psychol. and Logic)
Evg Lectr.

Physical Education

Apps, B F G., B.A., Dip Ed.,
D P.E. Melb
Lectr.-in-Charge.

Barwell, Elizabeth M. Lectr.

5 Tutors

Physics

Grant, Sir Kerr, M Sc. Melb.,
F.Inst P. Elder Prof

Burdon, R. S., D.Sc., F.Inst.P.
Reader

Fuller, G. R., B.Sc. Lectr.

Aitchison, G. J., M.Sc. Lectr

Brooke, W. C. R., B.E. Lectr.

Iliffe, M. I. G., B.Sc. Lectr.

10 Demrs.

*Physiology, General, v. Bio-
chemistry**Physiology, Human, and Phar-
macology*

Hicks, Sir C. Stanton, M.Sc. N.Z.,
Ph.D. Camb, M.D., F.R.I.C.,
Prof.

Lippay, F., M.D., D.Jur. Vienna
Lectr.

Potter, B. J., B.Sc. Demr.

Le Messurier, D. H., M.B., Ch.B.
Edin., B.Sc. Research Fellow.

Edgar, R. S., M.Sc.
Research Fellow.

3 Research Assts.

Political Science and History

Portus, G. V., B.Litt. Ox., M.A.
Syd. Prof.

Oldham, W., Ph.D. Lond., M.A.
(Hist) Lectr.
Woodroffe, Kathleen, B.A. Lectr.

Social Science

Wheaton, Amy G., B.Sc. (Econ.)
Lond., M.A. Lectr.-in-charge.

Zoology

Johnston, T. Harvey, M.A., D.Sc.
Syd. Prof.
Thomas, I. M., M.Sc. Wales Lectr.
McCarthy, Doreen F., B.A., B.Sc.
(Biology) Evg. Lectr.
Angel, Laura M, M.Sc.
Research Asst.

2 Demrs.

Medicine

(*Vide* also Anat., Bacteriol., Bio-
chem., Bot., Chem., Exper.
Med., Pathol., Physics,
Physiol. and Zool.)

Division of Medical Studies

Hone, F. R., B.Sc., M.D. Director.
Beare, F. H., M.D., D.P.M. (Med)
Lectr.
Hetzel, K. S., M.D., F.R.C.P.
(Med.) Lectr.
London, G. A., M.D., F.R.C.P.
(Med.) Lectr.
Birch, H. M., D.P.M. (Psych.
Med.) Lectr.
Cowan, D. R. W., M.B., B.S. (Pul-
monary Tuberculosis) Lectr.
Grant, R. L. T., M.B., B.S.,
F.R.A.C.P. (Med. Dis. of
Children) Lectr.
West, G. R., B.Sc., M.B., B.S.
(Infect. Dis.) Tutor.
6 Tutors in Med.

Division of Surgical Studies

Jose, I. B., M.B., M.S., F.R.C.S.
Director.
Lindon, L. C. E., M.B., M.S.,
F.R.C.S. (Surg.) Lectr.
Messent, P. S., M.B., M.S. (Surg.)
Lectr.

Hobbs, A. F., M.B., B.S., F.R.C.S.
(Surg. Anat. and Operative S.)
Lectr.

Tostevin, A. L., M.B., B.S., D.O.
Ox. (Ophthal Surg)

Gosse Lectr.

Glynn, R. M., M.B., B.S. (Dis. of
Ear, Nose and Throat) Lectr.

Wilson, L. A., M.B., B.S., F.R.C.S.
Ed. (Surg. Dis. of Children)

Lectr.

Lamphee, A. D., M.B., B.S.
(Anæsthetics) Lectr.

Verco, J. S., M.B., B.S. (Radiol.)
Tutor.

6 Tutors in Surgery.

Gynæcology

Swift, B. H., M.D. Camb., F.R.C.S.
Ed. Way Lectr.

Obstetrics

Joynt, W. F., M.B., B.S. Melb.
Director.

Public Health and Preventive Medicine

Southwood, A. R., C.M.G., M.D.,
M.S. Lectr.
McQueen, G. H., M.B., B.S. Melb.
Demr.

Clinical Teachers

The Staffs of the Royal Adelaide
and of the Children's Hospls.

Dentistry

(*Vide* also Anat., Bacteriol., Bio-
chem., Chem., Pathol.,
Physiol. and Zool.)

Eustace, J. L., B.D.S.
Sr. Supervisor.

Lecturers

Laughton, R. A. L. (D. Metall.).
London, A. H., M.B., B.S.,
F.R.C.S. (Surg.).
Chinner, M. E., M.D. (Med.).
Campbell, T. D., D.Sc., D.D.Sc.
(Oral Surg)
Eustace, J. L., B.D.S. (D. Mat.
Med. and Therapeutics).

Moore, A. P. R., D.D.Sc. (D. Surg.
and Pathol.).

Maddern, C. B., D.D.Sc. (Prophy-
laxis and Oral Hyg.)

Wilson, H. M., B.D.S. (Ethics,
Econ. and D. Jurispr.)

Instructors

Rice, J. D., M.B., B.S. (Anæ-
sthetics).

Lindsay, T. B., B.D.S. (Radio-
graphy and Children's D.)

Crown and Bridge Work

Joyner, M. S., B.D.S. Lectr.

Bloomfield, A. J., B.D.S. Demr.

D. Anatomy

Campbell, T. D., D.Sc., D.D.Sc.
Lectr.

Plummer, A. P., B.D.S. Demr.

Operative D

Lawrence, G. O., D.D.Sc.
Lectr and Instr.

Willoughby, R. G., D.D.S. North-
western, B.D.S. Tutor.

Wilson, H. M., B.D.S. Tutor

Wesslink, P. M., B.D.S. Syd
Tutor and Demr.

Westerman, Franklinna S., B.D.S.
Demr

Orthodontics

Begg, P. R., D.D.Sc.
Lectr and Demr.

Periodontics

Evans, M. W., D.D.Sc. Lectr.

Boyle, L. R., M.D.S. Demr.

Prosthetic D.

Edwards, H. T. J., D.D.Sc. Lectr.

Lawrence, G. O., D.D.Sc. Instr.

Barrett, M. J., B.D.S. Sr. Demr

Crisp, B. C., B.D.S. Demr.

Frayne, H. B., B.D.S. Demr.

Pharmacy

Lipsham, E. F. (Mat. Med.,
Pharm. and Disp.) Lectr.

Bowey, A. E. Lectr.

Walter, O. H., F.C.A. Aust. (For.
and Com. Pharm.) Lectr

Physiotherapy

Casely, Elma, Lectr.-in-Charge.
6 Tutors.

Waite Agricultural Research Institute

Prescott, J. A., D.Sc. Director.

Agricultural Chemistry

Prescott, J. A., D.Sc. Waite Prof.

Piper, C. S., D.Sc. (Sr. Chemist,
Divn. of Soils).

Best, R. J., D.Sc. (Agric Chemist.).

Gallus, H. P. C., M.Sc.

Williams, C. H., M.Sc.

Agronomy, Grassland Ecology, Plant Genetics

Trumble, H. C., D.Sc.

Waite Prof. of Agron.

Pugsley, A. T., M.Sc. (Geneticist
and Plant Breeder).

Crocker, R. L., D.Sc. (Grassland
Ecologist).

Woodroffe, K., B.Ag.Sc. (Chief
Asst in Agron.).

Walker, A. J. K., B.Ag.Sc.

Tiver, N. S., B.Ag.Sc.

Mayo, G. M. E., B.Ag.Sc.

Specht, R. L., B.Sc.

Butler, P. F., B.Ag.Sc.

Ferres, Helen M., B.Sc.

Entomology

Swan, D. C., M.Sc.

Andrewartha, H. G., D.Sc.

Plant Pathology

Adam, D. B., B.Ag.Sc.

Hd. of Dept.

Flentje, N. T., B.Ag.Sc.

Plant Physiology

Ballard, L. A. T., Ph.D. Camb.,
M.Ag.Sc.

Systematic Botanist

Eardley, Constance M., B.Sc.

Officers of the Council for Sci. and Indust. Research*Bacteriology*

Fornachon, J. C. M., B Ag Sc., M.Sc.
 Thomas, Margaret P., B.Sc.

Chemistry

Shapter, R. E.
 Oertel, A. C., M.Sc.
 Stace, H. C. T., B.Sc.
 Tucker, B. M., B.Sc.
 Raupach, W., B.Sc.

Enological Research

Fornachon, J. C. M., M.Sc.

Physics and Mechanics

Marshall, T. J., M.Ag.Sc., Ph D.
 Aitchison, G. D., B.E.
 Stirk, G. B., B.Sc.
 Norrish, K., B.Sc. W.A.
 Quirk, J. P., B.Sc.Agr. Syd.
 Gurr, C. G., B.Sc.

Plant Industry, Division of
 Grace, Judith, B.Sc.Agr. Syd.

Soils, Division of
 Taylor, J. K., B.A., M.Sc.
 Chief of Division.

Surveys
 Stephens, C. G., M.Sc.
 Hooper, P. D.

Langford - Smith, T., M.Sc.
 (Seconded to Min. of Post-War Reconstruction).
 Northcote, K. H., B.Ag.Sc.
 Blackburn, G., B Ag Sc.
 Stewart, G. A., B.Ag.Sc.
 Nicolls, K. D., B Ag Sc., B.Sc.
 Perry, R. A., B.Sc.

Animal Products Research Foundation

Marston, H. R.
 Chairman, Advisory Bd.
 Dawbarn, Mary, M.Sc.
 Research Chemist.

Tutorial Classes

Biaggini, E. G., D.Litt., Tutor-in-charge, assisted by 23 tutors and 2 study circle leaders.

Anti-Cancer Committee

Hone, F. S., B.A., M.B., B.S.
 Chairman.
 Mayo, J. C., M.D., F R C S Ed.
 Hon. Director, Radiotherapy Clinic.
 Gurner, C. M., M.B., B.S.
 Registrar, Radiotherapy Clinic.
 Thiersch, J. B., M.D. Freiburg
 Neale Res. Pathologist.
 Worthley, B. W., B.A., M.Sc.
 Physicist.

ASSOCIATED OR AFFILIATED INSTITUTIONS

RESIDENTIAL: ST. MARK'S COLLEGE, under management of Church of England, but open to men of all denominations. Opened for students in March 1925. Master: A. Grenfell Price, C.M.G., D.Litt., Dip. in Ed. Ox.

ST. ANN'S COLLEGE, for women, open to women of all denominations. Opened for students in March 1947. Principal: Miss F. M. Harding, M.A. N.Z., Ph.D. Edin.

S. AUSTRALIAN SCHOOL OF MINES AND INDUSTRIES. President, Prof. Sir Kerr Grant. Unites with the Univ. in providing courses and exams. in Archt., Mining, Metall., Elect., Mech. and Civ. Engin.

ROSEWORTHY AGRICULTURAL COLLEGE. Affiliated for parts of the B.Ag.Sc. course for Agric. students.

TEACHING HOSPITALS ASSOCIATED WITH MEDICAL SCHOOL. Royal Adelaide

Hospital, approx. 800 beds; Queen Victoria Maternity Hospital, 70 beds; Adelaide Children's Hospital, 250 beds; Bedford Park Sanatorium; "Mareeba" Babies' Hospital; Northfield Cancer and Consumptive Home; Metropolitan Infectious Diseases Hospital.

GENERAL INFORMATION

The University was established by Act of the Provincial Legislature in 1874 with endowments of £20,000 each from Sir W. W. Hughes and Sir Thomas Elder and a land grant of 50,000 acres (subsequently repurchased by Govt. for £40,000), as well as a site of 5 acres in the city. The original site was increased to 8 acres in 1920, to 14 acres in 1927, and in 1929 an addnl. 13 acres adjoining were vested in the Univ. The Govt. also provides an annual subsidy of 5 per cent on endowments; the subsidy is limited to £40,000. The Council consists of 20 members elected by the Senate and (since 1911) 5 elected by Parliament. The grants have been increased by the State Parliament from time to time and now amount to £56,600, excluding a grant of £23,000 to the Waite Agric. Research Inst. The total value of the endowments is £1,026,503 and the income in 1946 was £247,531.

LIBRARY. Approx 153,000 volumes. **LABORATORIES:** Anat., Bact., Biochem., Botany, Chem., Geol., Histol., Pathol., Physics, Physiol., Pharmacol., and Zool. The Univ. includes the *Elder Conservatorium of Music*, which has a teaching staff of 19; it also controls the work of the Observatory and appoints representatives on the Council of the Institute of Medical and Veterinary Science.

SPECIAL RESEARCH DEPARTMENTS. (1) The Waite Agricultural Research Institute, established at Glen Osmond for the purpose of furthering the cause of education and research in Agriculture and allied subjects. (2) The C.S.I.R. Division of Biochemistry and General Nutrition within the University grounds. (3) Field laboratory at Koonamore for investigation of plant regeneration in arid areas. (4) The Sheridan Medical Research Foundation for the support of medical research. In 1922 Mrs. A. M. Simpson and Miss A. F. Keith Sheridan bequeathed property (value, £20,000) for the establishment of this foundation. (5) The Animal Products Research Foundation, which conducts investigations into problems of animal nutrition, *see* Staff List *supra*. (6) The Board of Anthropological Research engaged in anthropological investigations concerning the aboriginals of South Australia. (7) The Anti-Cancer Campaign Committee directs research into the cause and cure of cancer. (8) Institute of Medical and Veterinary Science at the Royal Adelaide Hospital.

COLLECTIONS OF INTEREST TO SPECIALIST SCHOLARS. Collection of Australian endoparasites. Prof. J. B. Cleland's collection of the higher Australian fungi (Basidiomycetes), by far the largest of its kind, is available for study by mycologists and forest pathologists. Collection of representative specimens from all the Australian opal fields. Anthropological collection of Australian skeletons. Collections of marsupial material.

FACULTIES. Arts, Science, Law, Medicine, Dentistry, Music, Agric. Science, Engineering.

BOARDS OF STUDIES. Physical Educ.; Social Science; Commerce and Pub. Adm.; Pharmacy; Physiotherapy; Chiropody.

DEGREES. Obtainable after 3 yrs.' course, B.A., B.Sc., B.Ec.; 4 yrs.', B.E., B.Ag.Sc., Mus.Bac.; 5 yrs.', LL.B., B.D.S.; 6 yrs.', M.B., B.S.

HIGHER DEGREES. Open to Bachelors of 2 yrs.' standing, M.A., M.Sc.,

M.Ec., M.E., LL.M., M.D.S.; 3 yrs., M.D., M.S., D.D.Sc., Mus.Doc.; 4 yrs., D.Sc., LL.D., D.Litt.

DIPLOMAS. Pharmacy, 4 yrs.' course; Commerce and Public Administration, evening courses, 4 yrs.; Pre-Primary, Primary and Secondary Education, each 1 yr. after graduation; Music, 3 yrs.; Physical Education, 3 yrs.; Social Science, 3 yrs.; Physiotherapy, 3 yrs., Chiropody, 3 yrs.

A "Final Certificate in Law" for admission as a practitioner in the Supreme Court is obtainable by articled clerks on a curriculum less extensive than that for the LL.B.

The Univ. conducts **PUBLIC EXAMNS.** of various grades, apart from those for its own degrees, etc., namely, in General Education—Intermediate, Leaving, and Leaving Honours; and in Music.

FEES. Matriculation, £1: 1s.; *ad eundem statum*, £2: 2s.; Admission to Degrees: Arts, Economics, Science, M.E., LL.M., £5: 5s.; LL.D., M.D., M.S., D.D.Sc., Mus.Doc., D.Sc., D.Litt., £10: 10s.; LL.B., £7: 7s.; B.E., £3: 3s.; Mus.Bac., £4: 4s.; Diplomas in Educ., Public Admin., Commerce, Music, Physical Educ., Social Science, Physiotherapy, Pharmacy, Chiropody, £2: 2s. Degree courses in Arts about £70; Economics about £70; Science about £130; Engineering about £160; Law about £120; Medical, £240 (excluding Hospital, £65, and incidentals, £35); Dental, £250 (plus incidentals, £25); Music, £65; Tuition Conservatorium, £14: 14s. p.a. minimum.

SCHOLARSHIPS, etc., for graduates. Angas Engineering, £200 p.a. for 2 yrs., not open to graduates of other Univs.; 6 in Arts, each £150 p.a. for 2 yrs.; T. G. Wilson in Obstetrics, £200; several smaller.

RESIDENCE. St. Mark's Residential College was incorporated in the Univ. in 1925, and St. Ann's College in 1939.

ADULT EDUCATION (1947). Tutorial Classes in French (Introductory), French (Advanced), English Lit. (Advanced), and English Lang. and Lit.

Lecture classes in Clear Thought and Good Speech, Comparative Art, Biography as History, Psychology, Your Home and Neighbourhood, World Affairs, Physiology, The Plays of Shakespeare, Philosophy, War and Government, Listening to the Orchestra, Physics, Chemistry, Drama, and Gardening for the Amateur.

Study Circles in German (Advanced), and Italian (Advanced).

MEDICAL SCIENCES CLUB. Hon. Sec.—R. J. Best, D.Sc., Waite Research Institute, Private Mail Bag, Adelaide.

UNIVERSITY UNION. Secretary—K. T. Hamilton, University.

PUBLICATIONS. *Calendar* (Feb.), 3s. 6d. *Degree Examination Papers*, 1946, 2s. *Australian Journal of Experimental Biology and Medical Science*, quarterly, £1: 5s. p.a. *Fisher Lecture*, 1946. *Report of the Waite Agricultural Research Institute*, 1943-44.

THE YEAR 1947

BENEFACTIONS. The Broken Hill Pty. Ltd., £10,000; Broken Hill South Ltd., £10,000; North Broken Hill Ltd., £17,500; Broken Hill Consolidated Ltd., £2500; and Zinc Corpn. Ltd., £10,000: to endow a chair in Economic and Mining Geology. Two gifts, each of £1000, to establish scholarships tenable at the Elder Conservatorium of Music; W. H. Bagot, £500, to found a prize for operatic singing; Reverend R. B. Cornish, £250, to found a prize in botany; £256 from public subscriptions to found a prize in French in memory of the late Violet de Mole.

BUILDINGS. A new building for Mechanical Engineering was completed; substantial progress was made in a new building for Civil and Electrical Engineering and for Mining and Metallurgy; and a new seven-storey building for the medical school was begun.

NEW DEVELOPMENT. Diploma course in Chiropody

CHANGES IN REGULATIONS. New regulns. for an Honours degree of B.E. and for a Diploma in Chiropody made; minor amendments only to other regulns.

SPECIAL LECTURES. Special lectures were given under the auspices of the Postgraduate Committee in Medicine by Sir William Fletcher Shaw, F.R.C.P., on "Pre-operative Treatment"; by Prof. F. M. Burnet, F.R.S., Univ. of Melbourne, on "The Basis of Allergic Disease" and "The Natural History of Tuberculosis"; by Prof. R. W. Gerrard, Chicago, on "The Mechanism of Action of Nerves" and "The Present Notions of Synaptic Action"; and by Prof. Chandler Brooks on "Obesity and Appetite," "Control of Water Balance," and "Control of Reproductive Function."

EXTRA-MURAL WORK. The Joint Committee for Tutorial Classes conducted four tutorial classes, twenty lecture classes and two study circles at the University and organized series of lectures at large country towns. The Shakespearian play *Othello* was produced in Adelaide and at three country towns.

RETIREMENT. Dr. W. T. Cooke, Lectr., in Chemistry, 1906-47.

RESIGNATIONS. B. R. Williams, Lectr (Econ.), on appt as Lectr. at The Queen's Univ., Belfast; Richard Watson, Teacher of Singing.

DEATHS. Prof. E. Harold Davies (Music); Dr. C. T. Madigan, Lectr. (Geol.); Sir Edward Holden, former member of the Council and benefactor; Mr. F. W. H. Wheadon, member of the Council and benefactor.

STUDENTS. Total: 4565; full-time: 2050; part-time: 2515. The total includes 1179 women, 276 postgraduates and 503 at the Elder Conservatorium of Music.

DEGREES CONFERRED. B.A., 59; M.A., 7; D.Litt., 1; LL.B., 8; LL.D., 1; B.Sc., 58; M.Sc., 12; D.Sc., 2; M.B., B.S., 47; M.D., 4; M.S., 2; B.D.S., 2; M.D.S., 1; B.Ec., 5; B.Ag.Sc., 4; B.E., 42; B.Sc.Eng., 19; M.E., 1; Mus.Bac., 2. *Diplomas.* Education, 18; Commerce, 15; Public Administration, 1; Music, 2; Pharmacy, 20; Physical Education, 4; Social Science, 25; Physiotherapy, 9; Final Certificate in Law, 3.

THE AUSTRALIAN NATIONAL UNIVERSITY

Founded 1946

Address—P.O. Box 168, City, Canberra, A.C.T.

CHAIRMAN OF THE INTERIM COUNCIL—Prof. RICHARD CHARLES MILLS,
O.B.E., LL.M. Melb., D.Sc. Lond.

VICE-CHANCELLOR—Prof. DOUGLAS BERRY COPLAND, C.M.G., M.A.,
D.Sc. N.Z., Litt.D. Melb., Q'ld. and Harv.

REGISTRAR—R. G. OSBORNE, B.A., LL.B. Tas.

LIBRARIAN—A. L. G. McDONALD, B.A. Melb.

GENERAL INFORMATION

The Australian National University Act was passed by the Parliament of the Commonwealth in 1946. It provides for the establishment at Canberra in the Australian Capital Territory of a University consisting of a Council and Convocation. The governing authority of the University is to be the Council consisting of not more than 30 members, 4 of whom are to be elected by the Parliament, not more than 8 are to be appointed by the Governor-General, not more than 9 elected by Convocation, 3 are to be elected by the professorial and teaching staff, and 2 are to be elected to represent students. The Vice-Chancellor is *ex officio* a member of the Council, and other members (not exceeding 3) may be co-opted. Until the Council is constituted there is to be an Interim Council appointed by the Governor-General which is to be responsible for the establishment of the University and the commencement of its functions.

The functions of the University are primarily to encourage and provide facilities for postgraduate research and study, both generally and in relation to subjects of national importance to Australia.

The University is to establish such Research Schools as are desirable, including: (a) a School of Medical Research, to be known as "The John Curtin School of Medical Research"; (b) a Research School of Physical Sciences; (c) a Research School of Social Sciences; and (d) a Research School of Pacific Studies. The University may provide specialist training for officers of the Public Service and for the incorporation in the University of the Canberra University College.

The income of the University, in addition to fees and gifts, is to consist of £325,000 per annum appropriated by the Commonwealth Parliament.

The Interim Council is advised on academic matters relating to the establishment of the University by an Academic Advisory Committee consisting of Sir Howard Florey, F.R.S., Prof. M. L. Oliphant, F.R.S., Prof. W. K. Hancock and Prof. R. W. Firth.

The Interim Council in 1947 awarded 4 Research Fellowships in the Social Sciences and 2 further Fellowships will be awarded in 1948. A number of Research Scholarships will be awarded in 1948. The Council has invited a number of distinguished scholars to visit Australia.

Active steps are being taken towards the establishment of the University, it is hoped, in 1951.

UNIVERSITY OF MELBOURNE

Founded 1853

Address—Carlton, N.3, Victoria.

VISITOR—H.E. THE GOVERNOR OF VICTORIA.

CHANCELLOR—HON. SIR CHARLES JOHN LOWE, K B, M.A., LL B.

DEPUTY-CHANCELLOR—L. S. LATHAM, M.A., M.D., B.S.

VICE-CHANCELLOR—SIR JOHN D. G. MEDLEY, M.A. Ox. and Melb.

REGISTRAR—F. H. JOHNSTON, B.A., B.Com., J P

ACADEMIC SECRETARY—M. BROWN, LL.B.

ACCOUNTANT—R. P. TEMBY.

ASSISTANT REGISTRAR—A. J. G. WILLIAMS, B.Arch

LIBRARIAN—LEIGH SCOTT, M.A.

TEACHING STAFF (*v.* also MILDURA BRANCH, *infra*)

Accountancy, v. Com.

Roache, A. F., M.B., B.S.

Agriculture, v. *infra*

Temp. Demr.

Turner, J. B., M.B., B.S., F.R.C.S.,

F.R.A.C.S. (Surg. Anat.)

Anatomy

Ind. Lectr.

Sunderland, S., M.B., B.S., D.Sc.,

F.R.A.C.P. Prof.

O'Sullivan, T. J., M.D., B.S. Melb.,

D.M.R.E. Camb., M.D., B.S.

Russell, K. F., M.B., M.S.,

F.R.A.C.S. Sr. Lectr.

(Radiolog. Anat.) Hon. Demr.

Ray, L. J., M.B., B.S. Sr. Lectr.

Schuller, A., M.D. Vienna

Hon. Research Officer.

Larwill, J. A., M.B., B.S. (Embryol

& Histol.) Sr. Lectr.

Anthropology

Coates, A. E., M.D., M.S.,

F.R.A.C.S. (Surgical Anat.)

Thomson, D. F. F., O.B.E., Dip.

Anthrop., D Sc.

Ind. Lectr.

Research Fellow.

Smith, G. K., M.B., B.S. Lectr.

Bedbrook, G. M., M.B., B.S.

Lectr.

Architecture

Bradley, K. C., M.B., B.S., B.C.E.

Sr. Demr.

Lewis, B. B., B.Arch., M.A. Liv.,

F.R.I.B.A., F.R.A.I.A. Prof.

Swaney, W. E., M.B., B.S.

Sr. Demr.

Featherstone, R. E., Dip.Arch.

Des. (Arch. Design)

Merrillees, N. C. R., M.B., B.S.

Jr. Demr.

Sutherland, G. J., Dip.Arch.,

F.R.A.I.A. Lectr.

Beavis, E. L. G., M.B., B.S.

Temp. Demr.

Eggleston, A. S., F.R.A.I.A. (Pro-

fessnl. Practice and Architect.

Symonds, M. I., M.B., B.S.

Temp. Demr.

Econ.)

Lectr.

Irwin, L., F.R.I.B.A., F.R.A.I.A.

Dir. of Atelier.

Pearce, P. F., Dip.Arch.
(Town Planning) Lectr.
Scarborough, J. F. D., F.R.I.B.A.,
F.R.A.I.A.
Asst. Lectr. & Demr.
Waugh, H. L., Dip Arch
Asst Lectr.
Good, Eileen M F, Dip.Arch
Sr. Demr.
Berg, R., Dip.Arch.Des Demr.
Morton, G. H., Dip Arch Des.
Demr.
Ward, D. C. Demr.
Tripe, H. J., Dip Arch.Des. Demr.
Dalton, A. O., Dip.Arch.Des.
Demr.
Ralton, A. J., B.Arch. Instructor.

Bacteriology, v. Med.

Biochemistry

Trikojus, V. M., B.Sc., Ph D. Ox.,
M.Sc. Prof.
Rawlinson, W. A., M.Sc.
Sr. Lectr.
Lugg, J. W. H., Ph.D. Lond.,
D.Sc. W. Aus., D I.C.,
F.R.I.C. (Plant Biochem.)
Sr. Lectr.
Maxwell, L. A. I., B.Agr.Sc., M.D.,
B.S., M.Sc., F.R.A.C.P. (Clin.
Biochem.) Sr. Lectr.
Law, Kathleen A. O., M.Sc.
Lectr.
Millis, Jean, M.Sc.
(Nutrition : Dietetics) Lectr.
Cahn, Audrey J., B.Agr.Sc., Dip.
Diet. (Appd. Dietetics and
Food Preparation) Lectr.
Crabtree, Muriel G, M.Sc.
Sr. Demr.
Dickinson, Jean C., M.Sc.
Sr. Demr.
Doig, Jean G., M.Sc. Sr. Demr.
Scutt, P. B., B.Sc. Sr. Demr.

Botany & Plant Physiology

Turner, J. S., M.A., Ph.D. Camb.,
M.Sc. Prof.

McLennan, Ethel I., D.Sc. (Bot.
and Plant Pathol.)
Assoc. Prof.
Patton, R. T., M.F. Harv., D.I.C.
Lond., D.Sc. (Bot. and Agric.
Bot.) Sr. Lectr.
Goodall, D. W., B.Sc., Ph.D.
Lond. Sr. Lectr.
Cookson, Isabel C., D.Sc. Lectr.
Bond, R. W., B.Sc. Actg Lectr.
Matheson, Marjorie J, M.Sc
Sr. Demr.
Elliott, C. G, B Sc Tas.
Actg. Demr.
Winkworth, R. E., B.Sc. Syd.
Temp. Demr.

Chemistry, v. also Physiol.

Hartung, E. J., D.Sc. Prof.
Davies, W., D.Sc. Manc. and
Melb, D Phil Ox. (Organic
C.) Assoc. Prof.
Heymann, E., Ph.D. Frankfurt,
D.Sc. (Phys. C.)
Assoc. Prof.
Ampt, G. A, B.Sc. (Analytical C.)
Sr. Lectr.
Hambly, A. N., M.Sc., Dip Ed.
Sr. Lectr.
Harris, G. M, M.Sc. Sask., A.M.,
Ph D. Harv. Sr. Lectr.
Lahey, F. N., D.Sc. Q'ld.
(Organic C.) Sr. Lectr.
Cooke, R. G., M.Sc. Adel (Organic
C.) Sr. Lectr.
Semmens, G. S. C., M.Sc., Dip.Ed.
(Applied C.) Lectr.
Buchanan, A. S., B.Sc. (Physical
C.) Lectr.
Gregory, J. N., B.Sc. (Chem.
Dental) Lectr.
Sugden, Ruth, M.Sc. Sr. Demr.
Stephenson, Emily F. M., M.Sc.
(Organic C.) (on leave)
Sr. Demr.
Lamberton, J. A., M.Sc. Syd.
Sr. Demr.
Brown, G. M., B.Sc. (Org. C.)
(Actg.) Sr. Demr.

- Harrap, B. S., M Sc (Inorg. C.) Sr. Demr.
 Mercer, Ruby M., M Sc., B.A. (Acctcy.) Guidance Asst.
 Sr. Demr.
 Richards, J. R., M.Sc.
 Temp Sr. Demr.
 Swaine, D. J., B.Sc. (Anal C.) Sr. Demr.
 Martin, R. L., B.Sc. (Forensic C) Sr. Demr.
 O'Donnell, I J., B Sc (Phys. C.) Sr. Demr.
 Whitton, W. I., B.Sc. Sr. Demr.
 Bevan, D. J. M., B Sc Sr. Demr.
 Klein, Eva R., M.Sc. (Org. C.) Temp. Sr. Demr.
 Olver, N. H., M.Sc. Guidance Asst.

Classical Philology

- Scutt, C. A., M.A. Camb and Melb Prof.
 Hunt, H. A. K., M.A. Ox, B.A. Syd., Dip Ed. Sr. Lectr.
 Gellie, G. H., M.A., B.Ed. Lectr.
 Alcock, P. B., B.A. Ox. & Syd. Lectr.
 Barbour, R. R P., M.A Ox. & Melb., B.A Tutor.

Commerce

- [Prof
 Wood, G. L., M.A. Tas., Litt.D.
 Foenander, O. de R., LL.M. (Industrial Relns) Sr. Lectr.
 Bayne, Mary M., M.A., Dip.Ed. (Econ. Geog) Lectr.
 Goldberg, L., M.Com. (Accountancy) Lectr.
 Barnaby, J. W., B.A., LL.B. (Com Law) Lectr.
 Kerr, Jean S., B Com. (Acctcy.) (Temp.) Lectr.
 Beecroft, R., B Com. (International Trade)
 Asst. Res. Offr. & Tutor.
 Lengyel, S. J., M Ec., Dip.Ed. (Temp.) Research Officer.
 Stevens, S. P., Doc.Dec. Vienna (Temp.) Research Officer.
 Smith, Helen, B.A.
 Asst. Res Officer

- Schnierer, F., LL.D. Vienna Tutor.
 Stewart, W J., B A, B Com. (Acctcy.) Guidance Asst.

Part-time Officers

- Fitzgerald, A. A, B Com, F.I.C.A. (Acctcy.) Lectr.
 Norris, J G, LL.M. (Commercial Law) Lectr.
 Voumard, L., LL.B. (Commercial Law) Lectr.
 Barnaby, J. W., B.A., LL.B. (Comm. Law) Lectr.
 Cook, P. H., Ph.D. Kansas, M.A. (Indust. Admin) Lectr.
 Murray, H. D., M.D., B.S. (Indust. Admin.) Lectr.
 Whitlam, A. G., B.A., B Com. (Marketing) Lectr.
 Schumer, L. A., F.A.I.S., F.C.A.A. (Cost Acctcy.) (on leave) Lectr.
 Aird, J. A., B.Agr.Sc., Dip.Com. (Public Admin.) Lectr.
 Anderson, G., M.A., LL.M., M.Com. (Indust. Rels.) Hon. Lectr.
 Downes, H. F., Dip.Com. (Acctcy.) Tutor.
 Wickham, O. P., B.A. W. Aust. (Indust. Admin.) Tutor.
 Temp. Post-war Tutors
 Donath, E J., M.A. (Econ. Geog.).
 Kneebone, Margaret, B.Sc. Syd. (Econ. Geog.).
 Cookson, W. S., M.A. Michigan (Econ. Geog.).
 Ballantyne, J. R., B.Com. (Acctcy.).
 Keown, K. C., F.A.I.C.A. (Acctcy.).
 Dillon, L. H. (Acctcy.).
 Lush, G. H., LL.B. (Comm. Law).
 Bradshaw, F. M., M.A., LL.M. (Comm. Law).
 McInerney, M. V., M.A., LL M. (Comm. Law).

Dentistry, v. Affiliated Colls.

Dutch

Samuel, R. H., D Phil Berlin,
Ph D. Camb Sr Lectr.
Weevers, J. W., Litt.D. Leiden

(Temp.) Lectr
Kijlstra, H. E., M A Amsterdam
(Temp.) Lectr.
Miller, J. F., B.A., B Ed. (v also
Germanic Langs.) Tutor.

Economics, v. also Com.

Prest, W., M.A Leeds, M.A Com.
Manc, M.Com Prof
Weller, G. A, B Sc. (Econ) Lond.,
B Com. Sr. Lectr.
Polglaze, Muriel J., M Com.

Sr Lectr.
Downing, R. I, B.A. Sr Lectr.
Haddon-Cave, C. P, M A.
(Temp) Lectr.

Hocking, D. M, B A.
(Temp.) Lectr.

Temporary Senior Tutors

Dedman, Mary E, B.A.
Fitzpatrick, Lilian, B Com.
Trehwella, Nancy J., B Com
Kemp, M. C., B.A., B.Com.
Ladner, Joan F., B A, B.Com
Bruns, G. R., B Com
Clugston, C, B.A., B.Com.
Freedman, L., B.Com., LL B.
Ronaldson, Marjorie G, B A

Economic History

Burton, H., M A. Ox. and Melb.,
B.A. Q'ld. Assoc. Prof.
Cairns, J. F., Dip.Com.

(Temp) Lectr.
Schnierer, F., LL.D. Vienna (Hist.
of Econ. Theory) Asst. Lectr.
Egerton, R. A. D., B.A.
(Temp) Sr. Tutor.

Economic Research

Higgins, B., B.A. W. Ont., M.Sc.
(Econ.) Lond, Ph D. Minne-
sota Prof.
Stevens, S. P., Doc.Dec. Vienna
Res. Officer.
Dunsdorfs, E., Doc.Dec. Riga
Res. Officer.

Education

Browne, G. S, M.C, M A. Ox and
Melb., Dip Ed Ox, Lond and
Melb. Prof.

Pratt, J. J., B.A. Queen's, B.Ed.
(Educ. Psych.) Sr. Lectr.
Hoy, Alice, M.A., LL B., Dip.Ed.
Sr. Lectr.

Aughterson, W. V., Ph.D. Lond.,
M.A., Dip.Ed. Sr. Lectr.

Connell, W. F., M.A., M.Ed. (on
leave) (Temp.) Lectr.

Dewhurst, Irene E, B.Sc., B.Ed
(Temp) Lectr.

Heffernan, Jean F., B.A., Dip.Ed.
Sr. Tutor and Librarian.

Lecturers (part-time)

Brookes, L. R, B.A, Dip.Ed.
(Secondary Sch. Organiza-
tion).

Ball, Mary A., B.Sc. Manc.
(Methods of Biol.).

Cooke, L. A, B.Sc, Dip.Ed.
(Methods of Sci. and Maths).

Hunt, H. A. K., M A. Ox., B.A.
Syd., Dip Ed. (Method of
Classics).

Gelman, M., M A, B.Ed. (Method
of Mod. Langs).

Tynan, J C, B Com, Dip Ed.
(Method of Comm. Subjects).

Norris, F. K., C B.E, D S O.,
M.D., B.S. (Health Educa-
tion)

Rosenthal, N. H., B.A, B Sc.
(Visual Education)

Brown, T. E., Mus.Bac. (Method
of Music).

Watts, F., B.A, Dip.Ed. (Schools
Broadcasts).

Crumph, Madeleine, B Sc Columbia
(Pre-School Children).

Law, A. J., M.A., Dip.Ed. (Method
of Primary Schools).

Robertson, J. D. C., B.A., Dip.Ed.
(Hist. and Princ. of Educn.
and Mod. Problems) (Temp.)

Frederick, H., M.A., Dip.Ed
(Method of Relig. Educn.).

Engineering, v. also *Agric. infra*

Matheson, J. A. L., M.B.E., M.Sc.,
Ph.D. (Civil E.) Prof.

Sexton, C. W. N., M.C.E. (Civ. E.)
Assoc. Prof

Rennie, E. J. C., M.E. Adel.,
M.Mech.E. (Mech. Eng. &
Aerodyn.) (Actg.) Prof

Moorhouse, C. E., B.Mech.E.,
M.E.E.

(Elect. Eng.) Sr. Lectr.-in-
charge.

Shaw, M., M.Eng. Sheff., M.Mech.E.
Sr. Lectr

Thornton-Smith, G. J., B.Surv.
W.A., B.E., M.C.E. (Surv.)
Sr. Lectr

Brasch, H. D., Dipl. Mech. E. Ber-
lin, D. Ing. Dresden (Machine
Design) Sr. Lectr.

Wood, J. V., B.C.E., Dip. C.E.
(Civ. Engin. Design)

Sr. Lectr.

Laszlo, F., Dr. Ing. Darmstadt,
Dipl. Ing. Budapest (Strength
of Materials, Theory of Struc-
tures) Sr. Lectr.

Lees, D. W., B.Mech.E. (Eng.
Design) Sr. Lectr.

Ferguson, A. E., B.E.E. (Elect.
Eng.) Sr. Lectr

Brown, G., M.S., F.A.C.S.,
F.R.A.C.S.

(Ambulance) Lectr.

Shimmins, A. J., B.E.E., B.Comm.
(Elect. Engin.) (Temp.) Lectr.

Bainbridge, J. R., M.Eng.Sc.,
B.Mech.E.

Commonwealth Research
Officer.

Darwin, D. V., M.C.E.
(Roads & Streets) Lectr.

Cooper, K. L., M.A. Ox., B.Sc. Ox.
and W.A.

(Timber Construction) Lectr.

Blackwood, R. R., B.E.E., M.C.E.
(Indust. Management) Lectr.

Krok, T. V., B.E. Syd. (Mach.
Tools) Lectr.

Vasey, G. H., B.C.E.

(Mech. Eng.) Lectr.

Johnson, R. B., B.C.E.

(Civ. Engin.) Sr. Demr.

Coldicutt, Elizabeth B., M.Sc.

Sr. Demr.

Griffith, E. V., B.C.E.

(Civ. Engin.) Sr. Demr.

Knight, P. O., B.C.E. (Civ. Eng.)

Sr. Demr.

Brooke, M. S., B.Mech.E. (Mech.
Eng.)

Sr. Demr.

Good, Eileen M. F., Dip. Arch.

(Graphics) Sr. Demr.

Hutchinson, D. S., B.E.E. (Elect.
Eng.)

Sr. Demr.

English Lang. and Lit.

Maxwell, I. R., B.Litt. Ox., B.A.,
LL.B. Prof.

Macartney, K. L., M.A. Camb.,
B.A. (Drama) Assoc. Prof.

Scott, W. A. G., B.A. (on leave)

Sr. Lectr.

Hope, A. D., B.A. Syd. and Ox.

Sr. Lectr.

Jennings, Vera C., M.A. Lectr.

MacKenzie, N. H., Ph.D. Lond.,
M.A. Lectr.

Thwaites, M. R., M.A., B.Litt.
Ox. (Temp.) Lectr.

Gibson, Leonie J., B.A.

(Actg.) Lectr.

Tennent, Amy G. C., M.A., Dip.
Ed. Sr. Tutor.

Brewster, Joan R., B.A. Sr. Tutor.

Bradley, D., B.A. Sr. Tutor.

Deane, Shirley J., B.A. Tutor.

Cowling, Muriel M., B.A. Leeds,
Dip. Ed. (Temp.) Tutor.

Fine Arts

Burke, J. T. A., B.A. Lond.,
M.A. Yale Prof.

Forestry

Chinner, J. H., B.Sc.

Sr. Lectr.-in-charge.

French, etc.

Chisholm, A. R., B.A. Syd. and
Melb. Prof.

Karagheusian, V. N. T. Sr. Lectr.
 Taylor, A. C., B.A. Syd., D. de
 l'U., D. ès L. Paris Sr. Lectr.
 Sussex, R. T., D.U.P., M.A., LL.B.
 Sr. Lectr.
 Taylor, Yvonne A. A., L. ès L.,
 Dipl. Études Supérieures
 Lectr.
 Wilcock, Iris I., M.A., Dip.Ed.,
 Dip.Sorb. Lectr.
 Burger, Claire H., M.A. Lectr
 Canart, P. L. J. G., B.A. Sr. Tutor.

General Science

Palmer, C. E., M.Sc. N.Z. Sr Lectr.
 Buchdahl, G., B.A. (Temp.) Lectr.

Geology and Mineralogy

Hills, E. S., Ph.D. Lond., D.I.C.,
 D.Sc. Prof.
 Tattam, C. M., Ph.D. Lond., Sc.D.
 Colo. Sch. Min., B.Sc. (Mineral-
 ogy and Petrology) Sr. Lectr.
 Teichert, C., Ph.D. Königsberg,
 D.Sc. W.A. Sr. Lectr.
 Hauser, H. B., M.Sc. Lectr.
 Gaskin, A. J., M.Sc. Lectr.
 Baker, G., M.Sc. Lectr.
 Edwards, A. B., Ph.D. Lond.,
 D.I.C., D.Sc. Lectr.
 Wilcock, A. A., B.Sc., B.Ed.
 (Geography) Lectr.
 Mann, J. S. Demr.
 Crohn, P. W., B.Sc. (Temp.) Demr.
 McAndrew, J., B.Sc. (Temp.) Demr.

Germanic Languages

Samuel, R. H., D.Phil. Berlin,
 Ph.D. Camb. Sr. Lectr.
 Coverlid, Dorothea R., M.A.,
 Dip.Ed. Sr. Lectr.
 Wiemann, H., B.A. Lectr.
 Lodewyckx, A., M.A. Cape Lectr.
 Langdon, Marianne, M.A. (Temp.) Lectr.

van Abbé, D. M., M.A. Camb
 (Temp.) Lectr
 Tutors in German
 Rosenberg, Anita, LL.D. Giessen,
 Litt.D. Ghent
 Burger, Claire M., M.A.
 Miller, J. F., B.A., Dip.Ed. (v also
 Dutch).

History

Crawford, R. M., B.A. Syd. & Ox.,
 M.A. Prof.
 Fitzpatrick, Kathleen E., M.A.
 Ox., B.A. Sr Lectr
 Harper, N. D., M.A., B.Ed. Sr. Lectr.
 O'Brien, J. L., B.A. Camb & Syd.
 Sr. Lectr
 McBriar, A. M., B.A. Lectr.
 Clark, C. M. H., M.A. Lectr
 Shaw, A. G. L., B.A. Ox. & Melb.
 Lectr.
 Foenander, O. de R., LL.M.
 Evening Lectr.
 Baragwanath, L. E., B.A. Asst Lectr.
 Crozier, Dorothy F., B.A. (Temp) Lectr.
 Main, J. M., B.A. (Temp.) Lectr.
 Adam, L., LL.D. (Temp) Lectr.
 Kiddle, Margaret, B.A. Sr Tutor
 Phillip, F. A., B.A. (Temp.) Sr. Tutor.
 Rowley, June M., B.A. (Temp.) Sr. Tutor.
 Baker, D. W. A., B.A. (Temp.) Sr Tutor
 Thomson, Ailsa G., B.A. (Temp.) Sr. Tutor.
 Galley, Barbara L., B.A. (Temp.) Sr Tutor.
 Mathieson, L., B.A. (Temp.) Sr. Tutor.
 Patrick, Alison M. H., B.A. Tutor
 Merz, K. K., B.A. (Temp.) Tutor.
 Ericksen, R. F. S., B.A. Guidance Asst.
Journalism
 Sawyer, G., LL.M. (Law affecting
 Journalism) Lectr.

*Law, v. infra**Mathematics, Pure and Mixed*

Cherry, T. M., Ph.D. Camb., B A
Camb. & Melb. Prof.

Belz, M H., M.Sc Camb., M.A.
Assoc. Prof.

Love, E. R., Ph.D. Camb., B.A.
Sr Lectr.

Schwerdtfeger, H W. E., Dr Phil.
Bonn Sr. Lectr.

Behrend, F. A., Ph.D Berlin, Sc D.
Prague (Temp.) Sr. Lectr

Stover, R. J., B A., B.Sc., Dip.Ed.
(Temp.) Sr Lectr

Hutton, Eleanor S., B A Camb.,
B Sc. W.A Lectr.

Cumming, Betty L., M.A.
(Temp) Lectr.

Watson, G. S., B A
(Temp.) Lectr

Weingeist, J., B.A. Sr. Tutor.

Bowen, E. W., B A, B Sc
Sr. Tutor

Greenhalgh, Winifred Sr. Tutor

Powell, H. K., M.A., B.Sc. Q'ld
Guidance Asst.

*Medicine, v. infra**Metallurgy*

Worner, H. K., D.Sc Prof.

Kamm, R L., M.A. Princet., Sc.D.
Mass. Inst Tech. (Phys
Metall) Sr Lectr.

Dunkin, H H., B.Met.E.
(Mining) Sr Lectr.

Willis, G. M., M.Sc. (Chemical
Metall.) Sr. Lectr.

Guérin, B. D., Dip.Chem.
(Assaying) Lectr.

Bowles, J. S., B.Sc. (Metallog.)
Lectr.

Wallace, Jacqueline, B.Sc
Sr. Demr.

Metallurgical Research

Greenwood, J. N., D.Sc. Manc. &
Melb., M.Met E. Prof.

Myers, R. H., M.Sc.
Commonwealth Research
Officer.

Wood, W. A., M.Sc., D.Sc. Lond.,
F.I.P. Sr. Fellow.

Davies, D A., B Sc. Lond
Res Fellow

Meteorology

Loewe, F., Ph.D. Berlin
Sr. Lectr.-in-charge (Com-
monwealth).

Radok, U., B Mech Eng Munich
Res. Asst.

Music

Heinze, B. T., F.R.C.M., Degré
Sup., Schola Cantorum, Paris
Ormond Prof.

Philosophy

Gibson, A. Boyce, M.A Ox., B A
Prof.

Taylor, D., B A Ox., M.A. W.
Aust. & Melb. Sr Lectr.

Gasking, D. A. T., M.A. Camb.,
B.A Liv. Sr. Lectr

Jackson, A. C., M.A. Sr. Lectr.

Warren, Olga M., M.A. Lectr.

Orr, S S., M.A. Belf Lectr.

Baier, K. E. M., B.A.
(Temp.) Lectr.

Barbour, R. R. P., M A Ox. &
Melb, B A Q'ld. Tutor

Gunner, D. L., B.A. Tutor.

Herbst, P, B.A. Tutor.

Physics

[Prof.
Martin, L. H., Ph.D. Camb., F.I.P.

Hercus, E. O., M Sc. N.Z., D.Sc.,
F.I.P. Assoc. Prof.

Mohr, C. B. O., Ph.D. Camb.
Sr. Lectr.

Bower, J. C., M.Sc., Ph.D. Camb.
Sr. Lectr.

Hopper, V. D., M.Sc., F.I.P.
Sr Lectr.

Kannuluk, W. G., D.Sc. Lectr.

Law, P. G., M.Sc. (on leave) Lectr.

Johnson, R. C., M.A. Ox., D.Sc.
Lond., Ph.D. Lond., D Sc.
Lectr.

Wilson, A. R., B.Sc. (Actg.) Lectr.

Rathgeber, H. D., D.Ing. Stuttgart
Sir Thomas Lyle Re-
search Fellow.

Cherry, R. O., M.Sc.
 (Temp.) Lectr.
 Darby, J. F. G., M.Sc.
 (Temp.) Lectr.
 Dunbar, D. N. F., M.Sc.
 (Temp.) Lectr.
 Allen, Natalie C. B., M.Sc.
 Sr. Demr.
 Nelson, Edith A., M.A., M.Sc.
 Sr. Demr.
 Laby, Jean E., B.Sc.
 Sr. Demr.
 Abbey, R. L., M.Sc.
 Sr. Demr.
 Hirst, F., B.Sc.
 Sr. Demr.
 Caro, D. E., B.Sc.
 Sr. Demr.
 Cottman, J. P., B.Sc.
 (Temp.) Demr.
 Digby, N. G., B.Sc.
 (Temp.) Demr.
 Barlow, G. E., B.Sc.
 (Temp.) Demr.

Psychology

Wright, R. D., M.B., M.S., D.Sc.,
 F.R.A.C.S., F.R.A.C.P.
 Prof.
 Shaw, F. H., Ph.D. Lond., M.Sc.
 (Pharmacol.) Assoc. Prof.
 Reid, G., M.D., B.S. (on leave)
 Sr. Lectr.
 Christophers, A. J., M.B., B.S.
 (Temp.) Sr. Lectr.
 Agar, W. T., B.Sc. Ox. & Melb.,
 M.B., B.S. (Temp.) Sr. Lectr.
 Hurley, J. V., M.B., B.S.
 (Actg.) Sr. Lectr.
 Etheridge, M. J., M.B., B.S.
 (Temp.) Lectr.
 Brewster, Blanche L., B.Sc.
 Sr. Demr.
 Hutchinson, Margaret
 Sr. Demr.
 Keogh, Patricia P., B.Sc.
 Sr. Demr.
 Dyason, Diana J., M.Sc.
 Sr. Demr.

Political Science

Partridge, P. H., M.A. Syd.
 Sr. Lectr.-in-charge.
 Churchward, L. G., M.A., Dip.Ed.
 (on leave) Lectr.
 Davies, A. F., B.A. (Actg.) Lectr.

Friedmann, W. G., LL.D. Lond.,
 Dr. Jus. Berlin (Internat. Re-
 lations) Lectr.
 Wolfsohn, H. A., B.A.
 (Actg.) Lectr.
 Freadman, P., B.A. Asst. Lectr.
 Willis, Jean Asst. Lectr.
 Truman, T. Sr. Tutor.
 Pearson, A. G., B.A. Tutor.
Psychology
 Oeser, O. A., M.Sc. S.A., Ph.D.
 Camb Prof.
 McElwain, D. W., M.A. N.Z.,
 Ph.D. Lond. Sr. Lectr.
 Pratt, J. J., B.A. Q'ld., B.Ed.
 Sr. Lectr.
 Buckle, D. F., M.B., B.S., D.P.M.
 Lond. Sr. Lectr.
 Maddox, H., B.A. Lond.
 (Temp.) Lectr.
 Macken, Margaret G., B.A. Syd.
 (Temp.) Lectr.
 Farrant, R. H., B.A. W. Aust.
 Sr. Tutor.
 Moore, Deidre J., B.A. Syd.
 Sr. Tutor.

Tutors

Esson, T. H., B.A., Dip. Ed.
 Whyte, P. M.
 Brightford, E. G.
 Sharp, G. B.
 Macleod, D.
 Grieg, A. R.
 Penny, R. E. C.
 Ward, A. P.
 Jeffrey, A. C., M.B., B.S.
 Bowers, Cathrine M., B.A. Syd.
 Taft, R., M.A. Columbia, B.A.
Part-time Officers
 Adey, J. K., M.B., B.S., F.R.A.C.P.
 Ashburner, J. V., M.B., B.S.
 Barber, Alice M., M.B., B.S.,
 D.P.M.
 Bucklow, Maxine, B.A. Syd.
 Campbell, Major E. F., B.A.,
 Dip. Ed. W.A.
 Cathcart, K. M., B.A., M. Ed.
 Cunningham, K. S., Ph.D. Colum-
 bia, M.A., Dip. Ed.

Hohne, H. H., Ph.D. Prague.

Jorgensen, C., Ph.D. Columbia,
B.A., Dip.Ed.

Meadows, A. W., B.A.

Oeser, Mary D., Ph.D. Camb,
M.A.

Phillips, A. R., M.B., B.S., D.P.M.

Radford, W. C., M.B.E., M.A.,
M.Ed.

Whiteoak, L. G., B.A., B.Ed.

Wickham, O. P., B.A. W.A.

Pub. Health, v. Med. infra

Russian

Christesen, Nina, B.A. Q'ld Lectr.

Semitic Studies

Goldman, M. D., Ph.D. Berlin,
M.A. Prof.

Gurewicz, S. B., B.A.
Lectr. and Tutor.

Social Studies

Hoban, Eileen R., B.A., B.Com.,
Dip.Ed., Cert Soc.Sc. & Adm.
Lond. Director.

Livingstone, A. S., B.A. Lectr.

Rennison, Gwendoline A., M.A.
Camb. Lectr.

McBriar, Laurie R. C., B.A.
Lectr.

Thomas, Lena, M.B., B.S. (Soc.
Biol.) Lectr.

Millis, Jean, M.Sc. (Soc Biol)
Lectr.

Edwards, Eileen, M.A. Lond., B.A.
Adel. (Child Study) Lectr.

Phillips, A. R., M.B., B.S., D.P.M.
(Mental Hyg & Case Study)
Lectr.

Barber, Alice M., M.B., B.S.,
D.P.M. (Mental Hyg & Case
Study) Lectr.

Clarke, Helen, B.A., Dip.Soc Stud.,
Cert. Ment. Health, Lond.
Tutor

Hyde, Alice, Dip. Soc. Stud. Liv.
Sr. Demr

Veterinary Science, v. infra

Zoology

Tiegs, O. W., D.Sc. Adel, F.R.S.
Prof.

Clark, A. M., M.Sc. Sr Lectr

Drummond, F. H., B.Sc. W.A.,
Ph.D. Lond. Sr. Lectr

Boardman, W., M.Sc. Syd.
Sr. Lectr.

Gunson, Mary M., M.Sc. Sr. Demr.

Mather, W. B., B.Sc. Tas

(Temp) Demr

Agriculture

v also Bot. *supra*

Wadham, S. M., M.A. Camb. and
Melb., Agr Dip. Camb. Prof.

Leeper, G. W., M.Sc. (Agr. Chem.).
Assoc. Prof.

Vasey, G. H., B.C.E.
(Agric. Engin.) Sr. Lectr.

Aitken, Yvonne, M.Agr.Sc. Lectr.

Rothberg, M., M.Agr.Sc.
Research Officer.

McIntyre, A. J., B.Agr.Sc.
Research Officer.

Molnar, I., B.Agr.Sc., Ph.D. Buda-
pest, B.Agr.Sc.
Research Asst.

Lecturers (Part-time Officers)

Skerman, V. B. D., B.Agr.Sc.
Q'ld. (Agric. Bacteriol.).

Lugg, J. W. H., Ph.D. Lond.,
D.Sc. W.A., D.I.C., F.R.I.C.
(Biochem.).

Quinn, D. G. (Viticulture)

McDonald, G. W. (Wool Classing).

Gorrie, C. J. R., B.V.Sc. (Vet.
Path.).

Read, F. M., M.Agr.Sc. (Hortic.
Sc. & Practice).

Daley, O. I. C. (Dairy Technol.).

Skerman, V. B. D., B.Agr.Sc.
Q'ld. (Agric. Bacteriol.).

Drummond, F. H., Ph.D. Lond.,
B.Sc. W.A. (Agric. Entomol.).

Pont, E. G., M.Sc.Agr. Syd.

Law

Friedmann, W. G., LL.D. Lond.,
Dr. Jur. Berlin Prof.

Paton, G. W., B.A., B.C.L. Ox.,
M.A. (Jurispr) Prof.
Sawer, G., LL M. Assoc. Prof.
Turner, A. L., B.A., LL.B.
(Temp.) Sr. Lectr.

Independent Lecturers

Gilbert, R. L., B.A., LL.B. (Con-
tracts, etc.).
Adam, A. D. G., B.A., LL.B.
(Land, etc.).
Eggleston, R. M., LL.B. (Equity).
Menzies, D. I., LL.B. (Procedure
& Evidence).
Menhennitt, C. I., LL.M. (Con-
stitutional Law) (also Tutor).
Woinarski, S. H. Z., M.A., LL.D.
(Legal History).
Emmerson, K. A. M., B.A., LL.B.
(Taxation).
Gubbins, F. R., LL.B. (Profes-
sional Conduct).
Doherty, J., LL.B. (Accounts).
Fox, P. M. (Conveyancing).
Pape, G. A. (Private Int. L.)
Tutor.
O'Driscoll, J. X., B.A., LL.M.
(Private Int. L.) Tutor.
Coghill, E. H., LL.M. Tutor.
Hill, E. F. Tutor.

Tutors in Drafting & Convey- ancing

Ness, K. A.
Jones, G. L., LL.B.
Tredinnick, W. H.
Birch, F. L.
Wardle, H. N.
Harris, W. O., LL.M. (also Con-
tract).
Pearce, A. D.
Frost, S. T., LL.M. (Contract)

Medicine

(for subjects of first 3 yrs.—Anat.,
etc., v *supra*)

Anæsthetics

Kaye, G. A., M.D., B.S. Lectr.

Bacteriology

Dattilo-Rubbo, S., Ph.D., Dip.
Bact Lond., B.Sc., M.B., B.S.
Prof.
Gray, D. F., B.V.Sc. Syd, Dip.
Bact. Lond. Sr. Lectr.
Hayward, Nancy J., Ph.D. Lond.,
M.Sc. Lectr.
Skerman, V. B. D., B.Agr. Sc. Lectr.
Hesketh, Joan M., B.Sc.
Bacteriologist.
Swaby, L. J., B.Agr. Sc.
Bacteriologist.
Jones, Lorna O., B.Sc.
Bacteriologist.
Merrifield, Enid Bacteriologist.
Grant, Dora Bacteriologist.

Children, Diseases of

Grieve, J. W., M.D., B.S.,
F.R.A.C.P. (Medical) Lectr.
Whitaker, J. G., M.D., M.S.
(Surgical) Lectr.

Experimental Medicine

Burnet, F. M., Ph.D. Lond., M.D.,
F.R.S.
Director, Walter & Eliza
Hall Research Insti-
tute, Prof.
Fenner, F. J., M.B.E., M.D., B.S.
Adel, D.T.M. Syd.
Haley Research Fellow.
Edney, Jean M., B.Sc.
Haley Research Officer.

Forensic M.

Bowden, K. M., M.B., B.S. Lectr.

Mat. Med. and Pharmacy

Stanton, B. L., M.B., B.S. Lectr.

Medicine

Downie, E., M.D., B.S., F.R.C.P.,
F.R.A.C.P.

Ind. Stewart Lectr.
Clarke, J. E., M.D., B.S. Lectr.

Medicine, Clinical, and Chn. Surg

Staffs of the Melb., Alfred, and St
Vincent's Hospls.

Obst. and Gynæc.

Johnstone, J. W., M.B., M.S.,
D G O, F.R.A.C.S.

(Actg.) Prof.

Campbell, Kate I., M.D., B.S.
(Infant Welfare) Lectr.

Green, J. S., M.D., B.S., D G O.
Dub., F R C O.G., F.R.A.C.S.

Thalia Roche Demr.

Hill, A. M., M.D., B.S., F.R.C.O.G.,
F R.C.S.E., D.G.O. (Obstet-

rics) Demr.

Worcester, R. G., M.D., B.S.,
F R.C.S., F.R.A.C.S., D G O

(Obstetrics) Demr.

Pathology

MacCallum, P., M.C., M.A., M Sc
N Z. and Melb., M.B., Ch B,

D.P.H. Edin Prof.

Lowe, T. E., M.D., B.S., D.Sc.,
F.R.A.C.P. (on leave)

Sr. Lectr.

Pound, A. W., B.Sc., M.B., B.S.
(Actg.) Sr. Lectr

Bowden, K. M., M.B., M.S.

Stewart Lectr.

Heinz, I. C., M.B., B.S. (on leave)
Lectr

Rose, W. McI., M.D., B.S.
(Actg.) Lectr

King, W. E., M.D., B.S. (Dental P)
Sp. Lectr.

de Gruchy, G. C., M.B., B.S.
(Pathol. to Dent. Students)

(Actg.) Lectr.

Dunlop, E. E., M.B., M.S.
Lectr. & Demr.

Robinson, B. J., M.B., B.S.
Lectr. & Demr.

Hicks, J. D., M.B., B.S.
Lectr. & Demr.

Duffy, D. G., M.D., B.S.
Lectr. & Demr.

Christie, G. S., M.B., B.S.
Lectr. & Demr.

Grice, K. J., M.D., B.S.
Lectr & Demr.

Billings, J. J. P., M.D., B.S.
Lectr. & Demr.

Cox, L. B., M.D., B.S. (Neuro-
logical P.) Hon. Lectr.

Murphy, L., M.B., B.S.
Sr. Demr. (Beaney Scholar).

Public Health

Dale, J., O.B.E., B.Sc. (Pub.
Health), M.D., Ch B Birm.

Lectr.

Radiology

Crisp, E. R., M.B., B.S., D.M.R.E.
Camb Lectr.

Mackay, A. J. G., M.B., B.S.

Lectr.

King, J. L., D M R.E. Camb.,
M.B., B.S. Lectr

Surgery

Newton, Sir Alan, M.B., M.S.,
F.R.C.S., F.R.A.C.S.

Stewart Lectr.

King, E. S. J., M.D., B.S., D.Sc.,
F.R.C.S., F.R.A.C.S. Lectr.

Smith, J. O., O.B.E., M.D., B.S.,
F.R.C.S., F.R.A.C.S.

Stewart Scholar.

Trumble, H. C., M.C., M.B., B.S.,
F.R.C.S., F.R.A.C.S.

Guy Miller Tutor.

Therapeutics

Maxwell, L. A. I., B.Agr.Sc., M.D.,
B.S., M Sc, F.R.A.C.P. Lectr.

Springthorpe, G. H., M.B., B.S.
Lectr.

Hughes, J. F., M.D., B.S., D.T.M.
Lectr.

Venereal Diseases

Melville, C. B., M.B., B.S.,
F.R.C.S., F.R.A.C.S. Lectr.

Coyle, W. T., M.B., B.S. Lectr.

Mortensen, H. N., M.B., M.S.,
F.R.C.S.Ed., F.R.A.C.S.

Lectr.

Physical Education

Duras, F., Dr.Med. Freiburg,
M.Ed. Sr. Lectr. in Charge.

Hembrow, C. H., M.B., B.S. Lectr.

Winter, E. J., B.Ec. Syd.

McConchie, Lorna J , Dip.Phys. Ed. Instructress.	Swift, Norma H , B.Sc. Bacteriologist and Bio- chemist.
Robinson, Joan, Dip.Phys.Ed Chelsea & Lond. Sr. Tutor.	Gorrie, C. J. R., B.V.Sc. Vet. Res. Officer.
Veterinary Science	Garland, Minnie E., B.Sc., Dip. Diet. Milk Bacteriologist.
Albiston, H E., D.V.Sc Director.	Hanly, Joan M., B.Sc. Milk Bacteriologist.
Pullar, E. M., M.V.Sc. Sr. Vet. Res. Officer.	

ADMINISTRATIVE OFFICERS

UNIVERSITY OFFICE. Head of Science and Medical Section, F. G. Elford, B.Sc., B.Ed. Secretary of Schools Board, W. V. Aughterson, Ph.D. Lond., M.A. Clerk of Students' Records, E. Finn. Clerk of Public Examinations, F. H. Johnston. Administrative Assistant, W. E. F. Berry, B.A., B.Com. Editor of Publications, J. C. Woodhouse, B.A. Syd. Research Secretary, A. Shavitsky, B.Agr.Sc. Sub-Accountant, R. A. Cumming, B.Com. Clerk of Works, S. W. Gray. Co-ordinator of Building Programme, H. St. J. Summers, D Sc.

LIBRARY. Assistant Librarian, A. L. G. McDonald, B.A.

UNIVERSITY PRESS Manager and Secretary, G. F. James, M.A. Birm. Assistant Reader, Barbara M. Ramsden, B.A.

CONSERVATORIUM OF MUSIC. Secretary, I. P. Fiddian.

APPOINTMENTS BOARD. Secretary, H. F. Downes, Dip.Com.

GUIDANCE OFFICE FOR EX-SERVICE STUDENTS. Guidance Officer, W. E. Tremor, C.B.E., E.D., B.A., Dip.Ed. Assistant Guidance Officer, N. A. Vickery, M.B.E., M.C., B.Ec. Syd.

UNIVERSITY UNION. Warden of Union House, R. R. P. Barbour, B.A. Syd., M.A. Ox. and Melb. Secretary, Edith C. Cameron.

SPORTS UNION. Secretary, E. C. Crawford.

MILDURA BRANCH

WARDEN—J. S. ROGERS, M C , B.A., Dip.Ed , D.Sc., F Inst.P

SUB-REGISTRAR—W. K. TICKNER, Dip Com.

DEAN OF WOMEN—MARGARET BLACKWOOD, M.Sc

DEAN OF MEN—B C. J. MEREDITH, O B E , B.A.

CONTROLLER OF PLANT AND EQUIPMENT—A. A. C. CARTER, D.S.O.

Chemistry

Pyke, L. R. D., B.Sc.

Sr. Lectr.-in-charge

Alexander, Jean L., M.Sc.

Sr. Demr.

Redcliffe, A. H., Dip.Anal.Chem.

Sr Demr.

Demonstrators

Andersen, F. I., B.Sc. Q'ld.

Badcock, W. E., B.Sc

John, Margaret E., M.Sc. Lond

Thomas, W. C., B.Sc.

Olver, N. H., M.Sc

Guidance Asst.

Engineering

Nettle, R. W., B.E. (Civil) Adel.

Sr Lectr.-in-charge.

Johnson, R. B.

Sr Demr.

Turner, A. K

Sr Demr.

Biology

Boardman, W., M.Sc Syd.

Sr. Lectr.-in-charge

Blackwood, Margaret, M.Sc. Lectr.

Mollison, Essie L. Lectr.

Demonstrators

Ashley, Margery C., B.Sc., Dip.Ed.

Jenkyn, Dorothy J., B.Sc. W.A.

Easterbrook, B. E.

Henzell, Jennifer A., B.Sc. W.A.

Liddell, Jean J., B.Sc. Syd.

Dentistry

Isaacs, J., M.B.E., B.D.Sc.

Sr Lectr.-in-charge.

Kneebone, Helen E. L. LeM.,

B.D.Sc.

Sr. Demr.

Woodard, K., B.D.Sc.

Resident Dent. Offr.

Mathematics

Syer, F. J. D., M.B.E., B.A.,

Dip.Ed. Sr Lectr.-in-charge.

Lester, Margaret, B.A. Lectr.

Tutors

Morley, Brenda F., B.Sc , Dip Ed.
Syd.

Powell, Roberta M., B.Sc. W.A.

Powell, H. K., M.A., B.Sc. Q'ld.

Guidance Asst.

*Physics*Rogers, J. S., M.C., B.A , Dip.Ed ,
D.Sc., F.I.P.

Sr Lectr.-in-charge.

Barton, J. C., M.Sc. Lectr & Demr.

Butler, Joyce W., B.Sc.

Sr. Demr.

Demonstrators

Hanekamp, Viola, B.Sc. W.A.

Howe, G. J.

Smith, Anne, B.Sc W.A.

Bennison, Dulcie J.

Burns, T. C., B.Sc.

RESIDENTIAL COLLEGES—Controlled by representatives of the Churches but open to members of all religious denominations:

TRINITY COLLEGE (Church of England). Warden, R. W. T. Cowan, B.Litt. Ox., B.A. Dean, A. G. L. Shaw, M.A. Ox., B.A. Principal of Janet Clarke Hall, Miss Enid Joske, M.A., Dip.Ed. 25 other Tutors.

ORMOND COLLEGE (Presbyterian). Master, S. L. Prescott, M.Sc. Manc.; Vice-Master, C. F. C. Morell, B.A., LL.M. 22 other Tutors.

QUEEN'S COLLEGE (Methodist). Master, R. C. Johnson, M.A. Ox., D.Sc. Lond. & Melb., Ph.D. Lond. Vice-Master, 20 other Tutors.

NEWMAN COLLEGE (R.C.). Rector, V. Rev. J. M. Murphy, M.A. Dean, Rev. T. A. Johnston, M.A. Superior of St. Mary's Hall, Mother Francis. 28 Tutors.

UNIVERSITY WOMEN'S COLLEGE (undenom.). Principal, Miss Myra E. Roper, M.A. Camb. 13 Tutors.

OTHER AFFILIATED INSTITUTION

AUSTRALIAN COLLEGE OF DENTISTRY (Faculty of Dental Science). Principal, A. B. P. Amies, F.R.S., D.D.Sc., D.L.O., F.R.A.C.S., F.A.C.D., Professor (Dean of Faculty); W. J. Tuckfield, D.D.Sc., Sc.D. North-Western, F.A.C.D., Sr. Lectr., Dental Prosthesis; C. H. Down, D.D.Sc., Sr. Lectr., Conservative Dental Surgery, Dental Anatomy; K. T. Adamson, D.D.Sc., Sr. Lectr., Orthodontia; Prof. Howard K. Worner, D.Sc.; A. R. Docking, M.Sc., Actg. Sr. Lectr., Metallography; R. G. Williams, D.D.Sc., Sr. Lectr., Periodontia; M. C. Davis, M.D., B.S., Lectr., Medicine; A. J. Trinca, M.D., F.R.C.S. Eng., F.R.A.C.S., Lectr., Surgery; C. D. Hearman, D.D.Sc., Lectr., Preventive Dentistry and Dietetics; P. E. Joske, K.C., M.A., LL.M., Lectr., Dental Jurisprudence; F. H. Gaunson, B.D.Sc., Lectr., Practice Management; R. M. Gillies, B.D.Sc., D.D.S. Penn., Lectr., Practice Management; C. E. Allen, D.D.Sc., Lectr., Dental Materia Medica and Therapeutics; Prof. A. B. P. Amies (*v. supra*), General Anæsthesia; C. R. Newbury, B.D.Sc., Lectr., Dental Embryol. and Histol.

GENERAL INFORMATION

The Univ. was founded in 1853 by Act of the Victorian Legislature. The annual endowment from State sources is now £155,000 (plus £30,000 for Mildura Branch) in a total income of about £800,000. The Council is composed of 32 members—elected by graduates (10); representatives of the teaching staff (5), of affiliated colleges (2), undergraduates (2); appointed by the Govt. (8) (3 being members of Parliament, the others representing business interests and technical schools); *ex officio* (3); and co-opted members (2). Convocation (the body of graduates) elects a Standing Committee with certain legislative and advisory functions. There is a Professorial Board, and individual courses are controlled by Faculties and Boards of Studies. The grounds, 104 acres, include four 10-acre College sites surrounding a recreation ground of 16 acres.

LIBRARY, 145,000 vols. MUSEUMS, Anat., Biol., Geol., Path. (15,000 specimens), Vet. LABORATORIES, Aerodynamics (with Wind Tunnel), Agric., Bact. (investigations undertaken for Govt. Hospitals and Med. practrs.), Bot., Biochem., Chem., Dent., Engineering, Metall. and Mining (with 3-head stamp battery), Path., Physics, Physiol., and several Commonwealth Govt. Labs. (including X-ray and Radium, and C.S.I.R. sections). VET. RESEARCH INSTITUTE. HALL RESEARCH INSTITUTE in connexion with Royal Melbourne Hospl.

FACULTIES AND DEANS (1948). Arts, Prof. I. R. Maxwell; Education, Prof. G. S. Browne; Science, Prof. E. S. Hills; Law, Prof. G. W. Paton; Medicine, Prof. P. MacCallum; Engineering, Prof. J. A. L. Matheson; Architecture, Prof. B. B. Lewis; Music, Prof. B. T. Heinze; Dental Science, Prof. A. B. P. Amies; Agriculture, Prof. S. M. Wadham; Veterinary Science, Prof. R. D. Wright; Economics and Commerce, Prof. W. Prest.

DEGREE COURSES: 3 yrs.—B.A. (Ordinary and Honours), B.Sc., B.Com. (Ordinary); 4 yrs.—LL.B., Mus.Bac., B.C.E., B.M.E., B.Met.E., B.E.E., B.Mech.E., B.Agr.Sc. (including 1 yr. at an approved Agricultural College), B.Com. (Honours); 5 yrs.—B.Arch., B.D.Sc., 6 yrs.—M.B., B.S. The University is prohibited by Act of Parliament from conferring degrees in Divinity; degrees of B.D. and D.D. are conferred by the Melbourne College of Divinity (non-Univ.).

HIGHER DEGREES. Open to Bachelors of 1 yr.'s standing—M.Agr.Sc., LL.M.; 2 yrs.—M.Sc., M.D., M.S., M.D.Sc., M.V.Sc.; 3 yrs.—M.Ed., M.C.E., etc., Mus.D., D.V.Sc.; 4 yrs.—D.Sc., LL.D., D.D.Sc.; 5 yrs.—D.Eng.; 7 yrs.—D.Litt. The M.A. and M.Com. are open to Bachelors (Honours) of 1 yr.'s standing and Bachelors (Ordinary) of 2 yrs.' standing. The B.Ed. course can be taken after graduation in any other Faculty. Standing required before admission to the Ph.D. course varies according to the Faculty in which prior degree was taken. Courses of medical postgraduate study arranged by special Committee on which Univ. is represented.

DIPLOMAS. Public Health, open to med. grads. of Melb. and persons qualified for registration as med. practs. in U.K., 12 mos.; Ophthalmology, Laryngology and Otology, Gynaecology and Obstetrics, Therapeutic Radiology and Electricity, Diagnostic Radiology, Anaesthesia, and Psychological Medicine, open by examn. to med. grads. of 2 yrs.' experience in practice. Analyt. Chem., 9 mos. following 3 yrs.' course in Chem.; Dietetics, 1 yr. following B.Sc. or B.Agr.Sc. course; Commerce, Journalism, Physical Education, Public Admin., 2 yrs.' undergraduate study; Arch. Design, Music, Social Studies, 3 yrs.' undergraduate study; Agric., 4 yrs.' undergraduate study.

FEES. Matricn., 2 gs.; Degree, 10 gs.; Degree courses in Arts, 3 yrs., about 72 gs.; Science, 3 yrs., 90 gs.; Agric., 4 yrs., 78 gs.; Laws, 4 yrs., about 102 gs.; Med., 6 yrs., £258 (including Hospl. Fees); Engin., 4 yrs., 120 gs.; Commerce, 3 yrs., 84 gs.; Music, 4 yrs., at Conservatorium, 128 gs.; Educ., 2 yrs., 40 gs. Sports and Union fees, £3. 12s. p.a. Union entrance fee, 2 gs.

SCHOLARSHIPS, ETC. Aggregate annual value about £14,000. Among the more important are Research Fellowships of £600 each, Travelling Scholarships of £350 p.a., Research Scholarships up to £350, and combined Research and Teaching foundations.

Free students: 15 certificated teachers of the Education Dept. *per annum*; 5 other Govt. officers *per annum*; 50 other persons *per annum*. All other certificated teachers and students of the Teachers' Training College are admitted at half fees.

A *Students' Loan Fund* has assets exceeding £70,000.

RESIDENCE. The Residential Colls. (v. *supra*) accommodate over 500 resident students.

ADULT EDUCATION. Extension Committee collaborates with Council of Adult Education (non-Univ.). Secretary—G. H. Vasey, B.C.E.

PUBLIC EXAMINATIONS. The University through its Schools Board holds School Intermediate and School Leaving examns. throughout Victoria annually. Pupils of certain secondary schools (approved after inspection) may obtain credit on headmaster's certificate without sitting for external examn. The Matriculation Examn. (1 yr. after School Leaving) is held for pupils seeking to enter the Univ. Special provision exists for the matriculation of discharged members of the Services.

PUBLICATIONS. *Calendar* (Mar.), 5s. net, includes list of pubns. by members

of staff (handbooks containing extracts and general information relevant to each Faculty published separately, 6d. or 1s. each); *Annual Examin. Papers*, in sets, 6d. each; *Handbook of Pub. Exams.*, 3s. 6d.; *Conservatorium Prospectus*; *Manual of Pub. Exams. in Music*; *University Gazette* (containing academic news and official announcements) is published fortnightly during term. Students' journals: *Melb. Univ. Magazine*; *Farrago* (weekly); *Speculum* (Medical); *The Margin* (Commerce); *Res Judicata* (Law); *Science Review* (Science); *Cranks and Nuts* (Engineering); *Present Opinion* (Arts).

The MELB. UNIVERSITY PRESS, founded in 1922, publishes works by members of the Univ. and other writers on learned subjects in Australia and New Zealand. It also sells text-books, and caters for students' requirements in stationery and apparatus.

THE YEARS 1946, 1947

BENEFACTIONS. Lady Northcote Permanent Orchestra Trust, £600, retained orchestral players and Con. Music Library. Victorian Chamber of Manufactures, £500, Chem. Bldg. Trustees of the Estate of the late Thomas Baker, £500, Visual Educn. Bldg. Kodak (Aust.) Pty. Ltd., £500, Visual Educn. Bldg. National Gas Assocn., £400, Chem. research scholp. State Electricity Commission, £300, research in Botany and Engineering. Electrolytic Zinc Co. of Australasia Ltd, £8750, Chair of Metallurgical Research. Mr. W. Russell Grimwade, £20,000, School of Biochemistry. North Broken Hill Ltd., £10,000, Chair of Metallurgical Research. Dunlop Rubber Australia Ltd, £1000, research scholps. Mr Raymond Ellinson, £1500, Library for Sch. of Semitic Studies. A.B.Y. Manufacturing Co. Pty. Ltd, £300, Library for Sch. of Semitic Studies. Family of late Sir Thomas Lyle, £10,000, Sir Thomas Lyle research fellowship. Master Drapers' & Traders' Assoc. of Victoria, £600, research in Commerce. Executors of David Syme Estate, £7500, "The Age" Chair of Architecture. Messrs. N., M. H., and M. L. Baillieu, £20,000, Sch. of Metallurgical Research. The late W. P. Greene, £17,493, Cancer research. Metropolitan Gas Co., £300, Engineering apparatus. Nicholas Pty. Ltd., £10,099, Nicholas Nutrition Lab. Melbourne Cancer Causation Cttee., £3798, research on Tuberculosis and Cancer. The late Mrs. A. E. Bayne, £3000, medical research. The late Miss M. S. Boyd, £500, Cancer research. Mining and Metallurgical Bursaries Fund, £360, Chair of Metallurgy. Mr Arthur Sims, £5312, scholps. The late Miss E. S. Hebden, £1586, medical research. The late Dr. Georgina Sweet, £500, Fellowship. The late A. J. Emery, £6000, Subscribers to Lady Masson Memorial Fund, £578, Memorial lectureship. Imperial Chemical Industries of Australia and New Zealand Ltd., £3000, Postgraduate research school. Broken Hill South Ltd., £6250, Chair of Metallurgical Research. The late W. P. Greene, £17,000, Cancer research. Commonwealth Dental Supply Co. Ltd., £500, William J. Tuckfield Prize. The late Dr. Francis Haley, £1014, medical research. W. L. Baillieu Trust, £2343, new library. Mr. W. Russell Grimwade, £10,000, Biochemistry Sch. Nicholas Pty. Ltd., £500, research—Bacteriol. The late W. P. Greene, £5500, Cancer research. Estate of W. C. Glover, £8518, Building Funds. Dunlop Rubber Aust. Ltd., £1000, research—Mech. Engineering. Victorian Chamber of Manufactures, £1000, General purposes. James McEwan & Co. Pty. Ltd., £300, Psychology Equipment. Estate late W. E. J. Craig, £6000, travelling scholp. Australian Red Cross Society, £2198, Social Studies. N. Baillieu, £10,000, Baillieu Met. Research Lab. David Syme Estate, £950, Chair of Architecture. Mining & Metallurgical Research Fund, £360, Chair of Metallurgy. Mr. J. Sutherland, £500, prizes—dramatic activities. Mr. A. H. Sicree, £3000, Semitic Studies. Mr.

A. H. Sicree, £500, Travelling expenses for Prof. Rubbo Electrolytic Zinc Co. of Australasia Ltd., £8750, Chair of Metallurgy Research. Metal Manufactures Ltd., £1000, Chair of Metallurgy Research. Nicholas Pty. Ltd., £5000, Sch. of Nutrition. Dr. A. E. Rowden White, £500, Prof. Rubbo's travelling expenses.

NEW BUILDINGS. Arts Block No. 2; Geology Extension (in course of erection). Numerous temporary buildings (Army Huts) to accommodate post-War numbers.

NEW DEPARTMENTS AND POSTS. New Chairs of Civil, Electrical, and Mechanical Engineering (3); Associate-Professorships in Agriculture, Drama, Economic History, Pharmacology, Law, Civil Engineering.

OTHER DEVELOPMENTS. Acquisition of former R.A.A.F. station at Mildura (on Murray, 350 miles from Melbourne) for a country branch of the University opened in February 1947. All first-year classes in Engineering, Medicine and Dentistry taken there, to relieve pressure in Melbourne. Certain first-year Science students will be in residence at the Branch in 1948. A Guidance Officer (with staff) for ex-Service students has been appointed. A Visual Education Centre for production and exhibition of educational films has been established with the co-operation of the R.A.A.F.

CHANGES IN REGULATIONS. Passing by Years adopted for Engineering course. Revision of courses for Commerce degrees and diplomas. Diploma of Dramatic Art (two years undergraduate) established. Social Studies Diploma extended from two to three years.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. Avery Craven (Chicago), visiting Prof. in Sydney, gave a public lecture on American History. Prof. R. W. Gerard (Chicago) gave seminars and public lectures on physiology. Dr. Wilmarth Lewis (Yale) gave series of lectures on Horace Walpole.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Profs. Burnet, Hartung and Hills were members of the Australian delegation to Royal Society and Empire Science conferences in the United Kingdom in summer 1946. Prof. S. M. Wadham gave the Joseph Fisher Lecture for 1946 in the Univ. of Adelaide on "Agricultural Development in Australia." The Vice-Chancellor visited the United Kingdom in 1947 at the invitation of the Nuffield Trust. Prof. Rubbo attended microbiology conference, Copenhagen, 1947. Librarian inspected Univ. libraries abroad, 1947. Assoc. Prof. Belz attended statistical conferences, U.S.A., 1947. Mr. C. E. Palmer (Sr. Lectr. in General Science), visiting Associate Professorship, California, 1947-48. Prof. Martin inspected physical laboratories abroad for the Commonwealth Government, 1947. Prof. Trikojus visited the United Kingdom, the Continent and the U.S.A. in connexion with new Biochemistry school plans. Profs. Wright and Lewis visited the United Kingdom in connexion with foundation of National University.

RESIGNATIONS (1947 only). Dr. J. S. Anderson, Sr. Lectr., Chem. (appointed to Atomic Research Establishment, Harwell); Mr. C. R. Badger, Director Univ. Extension Board (appointed Director of Adult Education); Mr. John Bishop, Teacher of Pianoforte (appointed Elder Prof. of Music, Adelaide); Prof. R. R. Blackwood, Engineering (appointed General Manager, Dunlop Rubber Australia Ltd.); Dr. W. Boas, Sr. Lectr., Metallurgy (appointed chief research officer, C.S.I.R.); Mr. J. F. Foster, Registrar (appointed Secretary, Universities Bureau of the British Empire); Mr. W. H. Frederick, Sr. Lectr., Educn. (appointed Head Master, Wesley Coll.); Mr. J. S. Gawler, Sr. Lectr., Archit.; Dr. B. J. Grieve, Sr. Lectr., Bot. (appointed Lectr.-in-Charge, Bot. Dept., W.A.); Dr. Leshe Hurley, Sr. Lectr., Med.; Mr. T. B. Kilvington, Hd. of Sci.

and Med. Section of Admin.; Mr. P. H. Partridge, Sr. Lectr. in Polit. Sci. (appointed Prof. of Government and Pub. Admin., Sydney).

RETIREMENTS. Prof. W. E. Agar (Zool.); Dr. Henry Searby (Med. Fac.).

DEATHS. Dr. B. T. Zwar (former Deputy Chancellor); Assoc. Prof. F. A. Singleton (Geol.); Julia Flynn (Fac. of Educn.); Mr. M. I. W. Eady (Council).

STUDENTS, 1947. Full-time: 5384, including 119 postgraduate students; part-time: 3703, including external students.

DEGREES, 1946. B.A., 118; M.A., 10; LL.B., 31; LL.M., 2; B.Sc., 111; M.Sc., 22; D.Sc., 1; B.Sc. (For.), 2; M.B., B.S., 90; M.D., 11; M.S., 10; B.Ed., 21; M.Ed., 3; B.Com., 49; B.Eng.Sc., 8; B.C.E., 7; B.Mech.E., 11; B.E.E., 4; B.M.E., 1; B.Met.E., 6; M.Met.E., 3; B.Arch., 3; B.Agr.Sc., 11; M.Agr.Sc., 1; B.D.Sc., 34; Mus.Bac., 6.

UNIVERSITY OF QUEENSLAND

BRISBANE

Founded 1909

Address—George Street, Brisbane. *Telegrams*—University, Brisbane.

CHANCELLOR—The Hon. WILLIAM FORGAN SMITH, LL.D.

DEPUTY CHANCELLOR—Acting Prof. A. D. MCGILL, B.A., K.C.

VICE-CHANCELLOR—J. D. STORY, I.S.O.

REGISTRAR—C. PAGE HANIFY, M.V.O., F.I.C.A.

TEACHING STAFF

Agriculture

..... Prof.

Lecturers

Perkins, F. A., B.Sc.Agr. (Econ. Entomol.).

Tommerup, E. C., M.Sc (Agric.).

Bryan, W. W., M.Agr.Sc. (Genetics and Plant Breeding)

Asst. Lectr.

Briton, N. W., B.V.Sc. (Animal Husbandry and Dairying).

Christian, C. S., B.Agr.Sc. (App. Agrostol. & Pasture Management).

Keats, R. R., F.I.D.M. (Dairy Manufact.).

Barratt, T. J. (Farm Eng.).

Howie, J. W. (Principles of Hortic.).

Anatomy

Wilkinson, H. J., B.A. Adel., M.D., Ch.M. Syd. Prof.

Meyers, E. S., M.B., Ch.M. Syd., F.R.A.C.S. (and Oper. Surg.)

Lectr.

Hickey, M. F., M.A., M.B., B.S.

Lectr.

Mann, C. B. R., M.B., B.S. Lectr.

Gallagher, M. J., M.B., B.S.

Temp. Lectr.

Allan, G. W., M.B., B.S.

Pt.-time Lectr.

Lahz, R. S., M.B., Ch.M.

Pt.-time Lectr.

3 Demrs

Biblical Literature

Innes, Rev. H. S. R., B.A. Syd.

Pt.-time Lectr.

Sharwood, Rev. A. L., M.A. Syd., Th.L.

Pt.-time Lectr.

Biochemistry

Hines, H. J. G., B.Sc. (Agr.) Lond.

Lectr.

Biology

..... McCaughey Prof.

Cayzer, A., B.Sc. Syd. Lectr.

Herbert, D. A., D.Sc. Melb. (Bot.)

Lectr.

Perkins, F. A., B.Sc. (Agr.) Syd. (Econ. Ent.)

Lectr.

Langdon, R. F. N., B.Agr.Sc. (Bot.)

Asst. Lectr.

Fisher, Eileen E., M.Sc., Ph.D.

Asst. Lectr.

6 Demrs.

Chemistry

Jones, T. G. H., D.Sc. Syd. Prof.

Lauder, I., M.Sc., Ph.D.

Assoc. Prof.

O'Connor, E. A., M.Sc. Melb. Lectr.

Edmiston, E. S., B.Sc., B.Sc.App.
(Industrial) Assoc. Prof.
Brooks, P. C., D.Sc.App. (Indust.)
Lectr
Smith, F. B., D.Sc (Agric. Chem.)
Pt.-time Lectr
Sutherland, M. D., M.Sc. N.Z.

Lectr.
Bick, I. R. C., B.A., M.Sc. Lectr.
Grigg, E. C. M., M.Sc. Asst. Lectr.
Robertson, D. T., M.Sc.
Pt.-time Lectr.
1 Pt.-time Demr., 4 Grad. Demrs

Classics

Cooper, C. G., M.A. St. And. Prof.
Castlehow, S., M.A. Ox. Lectr
McCready, A. G., B.A. Jr. Lectr.

Commerce

12 Special Lectrs.

Dentistry, v. infra

Education and Experimental Psychology

Ringrose, E. C. D., B.A., B.Ed.
Melb., B.Sc. Lectr.
Henderson, N. K., B.A., M.Ed.
Asst. Lectr.

9 Special Lectrs.

Engineering

..... Prof.
Boyd, A., D.Sc. Lond., B.E. Syd.
(Mech. & Elect. E.)
Assoc. Prof.
Ross, C. N., M.Sc. Tas., B.M.E.
Melb. (Civ. E.) Lectr.
Munro, A. R., B.E. (Mech. E.)
Lectr.
Corbett, A. H., M.E. (Mech. E.)
Lectr.
Cummings, R. P., F.R.A.I.A.
Lectr.

Lucas, F. B., B.Arch., F.R.I.B.A.,
F.R.A.I.A. (Arch.) Lectr.
Stoney, A. J. M'C., B.E.E. Melb.
Demr. & Asst. Lectr.
Birkbeck, G. H. M., B.E.
(Aeronautics) Asst. Lectr.
Brier, E. B., B.E. Asst. Lectr.

Hinckley, R. T., M.E., B.Sc.
(Electronics) Asst. Lectr.
Mapp, W., B.E. Asst. Lectr.
Francey, G. H., B.E. Demr.
11 Hon. Lectrs.
22 Specialist Lectrs

English Language and Lit.

Stable, J. J., M.A. Camb.
Darnell Prof.
Flint, E. H., B.A. Jr. Lectr.
Dunn, J. D., B.A. Pt.-time Lectr.

Forestry

White, C. T. (Forest Bot.)
Pt.-time Lectr.

Geology and Mineralogy

Richards, H. C., D.Sc. Melb. Prof.
Bryan, W. H., D.Sc. Assoc. Prof.
Whitehouse, F. W., Ph.D. Camb.,
D.Sc. Lectr.
Hill, Dorothy, M.Sc., Ph.D. Camb.
Lectr.
Jones, O. A., M.Sc. Lectr.
Robinson, E. V., B.A. Asst. Lectr.
1 Demr.

History and Economics

Alcock, H., M.A. Ox.
McCaughy Prof.
Gifford, J. L. K., M.A. Glas.
Assoc. Prof.
Morrison, A. A., M.A. Asst. Lectr.
Neale, R. G., B.A., Dip.Ed.
Asst. Lectr.

Journalism A

8 Spec. Lectrs.

Journalism B

14 Spec. Lectrs.

Law

McGill, A. D., B.A., K.C.
Actg. Hon. Prof.
Fry, T. P., M.A., B.C.L. Ox.,
Sc.Jur.D. Harv. Lectr.
Harrison, W. N. L., B.A., LL.M.
(and Social Science) Lectr.
8 Special Lectrs., 2 Hon. Lectrs.

Mathematics

- Simonds, E. F., M.A., B.Sc. Syd.,
Ph.D. Col. Prof.
Raybould, Ethel H., M.A. Lectr.
McCarthy, J. P., M.A. Lectr.
Finucan, H. M., B.A. Ox. Lectr.
Evans, I. A., B.Sc. Asst. Lectr.

Modern Languages, v. also Inst.
of Mod. Langs., *infra*

- Robinson, F. W., M.A. Syd, Ph.D.
Jena Assoc. Prof.
Schindler, C., M.A. Assoc. Prof.
Thomson, A. K., M.A. Lectr.
Mahoney, J. C., M.A., B.Litt Ox.
Lectr.
Cochrane, G. R., M.A. Melb.
Lectr.
Campbell-Brown, Kathleen, B.A.
Tutor.

Music

- May, S. Lectr. and Organizer.
Brandon, H. E., F.T.C.M.
Asst. Organizer and
Examiner.

Philosophy and Psychology

- Kyle, W. M., M.A. (Philos.) Prof.
Naylor, G. F. K., M.A., M.Sc. Syd.,
Dip.Ed. (and Psychol.)
Lectr.
Harwood, Elsie, M.A. (Psychol.)
Asst. Lectr.
James, Rev. G., M.A. Asst. Lectr.

Physical Education, v. *infra**Physics*

- Prof.
Lusby, S. G., B.A. Camb., M.A.
Syd. Asst. Prof.
Reimann, A. L., D.Sc. Adel., Ph.D.
Berlin Lectr.
Crouchley, J., B.Sc. W.A., M.Sc.
Adel. Asst. Lectr.
Champion, K. S., B.Sc. Syd.
Asst. Lectr.
Chater, Mary A., B.Sc.
Temp. Asst. Lectr.
McNichol, R. W. E., M.Sc. Lectr.
7 Demrs.

Physiology

- Lee, D. H. K., M.Sc., M.D. Syd.
D.T.M., F.R.A.C.P. Prof.
Whyte, H. M., B.Sc., M.B., B.S.
Lectr.
2 Demrs.

Radiation Physics

- Webster, H. C., M.Sc. Melb., Ph.D.
Camb., F.Inst.P. Assoc. Prof.
Robertson, D. F., B.Sc. Lectr.

Surveying

- James, F. W., M.Sc. Lectr.

Zoology

- Boardman, W., M.Sc. Lectr.
Bleakly, M. G., M.Sc. Lectr.
Sandars, Dorothea F., M.Sc.
Asst. Lectr.

Medicine

- (for subjects of the first 2 yrs.—
Anat., etc., v. *supra*)

Gynæcology

- McLelland, H., M.B., Ch.M. Syd.,
F.R.A.C.S. Specialist Lectr.
2 Clinical Lectrs.
2 Tutors.

Materna Medica

- Hirschfeld, O. S., M.B., B.S.,
M.Sc. Pt.-time Lectr.

*Medical Psychology, Psychiatry,
and Mental Hygiene*

- Bostock, J., M.B., B.S., D.P.M.,
F.R.A.C.P. Prof.
Youngman, N. V., M.B., B.S.
Melb. Sp. Tutor.

Medicine

- Murphy, A. P., M.B., Ch.M. Syd.,
F.R.A.C.P. Prof.
6 Specialist Lectrs.
8 Clinical Lectrs.
6 Tutors.

Obstetrics

Shedden-Adam, G. W., M.B., B.S.
 Syd., F.R.C.S., F.R.C.O.G.
 Edin. Prof.
 3 Specialist Lectrs
 4 Clinical Lectrs.
 4 Tutors.

Pathology and Bacteriology

Canny, A. J., B.Sc., M.B., B.S.
 Prof.
 Sinnamon, C. N., M.B., B.S.
 (Bact.) Lectr
 Simmonds, W. J., B.Sc., M.B.,
 B.S. (Path.) Lectr.
 Inglis, J. A., M.B., B.S.
 (Path.) Pt.-time Lectr.
 and Munro Research
 Fellow
 Chapman, Mrs. Margaret J., B.Sc.
 Jr. Lectr.
 2 Hon. Demrs.

Physiotherapy

Crawford, H., M.B., B.S.,
 F.R.A.C.S. Pt.-time Lectr.
 5 Specialist Lecturers.
 6 Demrs.

*Psychiatry, v. Med. Psychol.**Social and Tropical Medicine*

Meyers, E. S., M.B., F.R.A.C.S.
 (Acting) Hon Prof.
 5 Pt.-time Lectrs.
 21 Occasional Lectrs.
 1 Pt.-time Demr.

Surgery

Sutton, N. G., M.B., Ch.M. Syd.,
 F.R.C.S.Ed., F.R.A.C.S.
 Pt.-time Prof.
 Meyers, E. S., M.B., F.R.A.C.S.
 (Operative Surg.) Lectr.
 11 Specialist Lectrs.
 4 Clinical Lectrs.
 14 Tutors.

Dentistry

Lumb, S. F., D.D.Sc., L.D.S.
 Melb. Prof.

Jenkins, D. H., B.D.Sc. Lectr.
 Hinckley, Mavis A., B.D.Sc.

Lectr.
 Pearn, J. O. Lectr
 Vincent, L. P., B.D.Sc. Lectr.
 2 Demrs

Special Lecturers

Brandis, G. H., M.B., B.S.,
 F.R.C.S. (Gen. Surg.) (Temp.).
 Chapman, Mrs. Margaret J., B.Sc
 (Bacteriol.).
 Gutteridge, N. M., M.B., B.S.
 Melb (Sp. D. Pathol.)
 Earnshaw, P. A., M.B., Ch.M.
 (Dis. of Children in relation to
 Teeth)
 Goldfinch, H., B.D.S. Syd.,
 D.D.Sc. Tor. (Periodontia).
 Hirschfeld, O. S., M.B., B.S.,
 M.Sc. (Mat. Med.).
 Rosentengel, B. L., D.D.S. Penn.
 (Orthod.).
 Rossiter, A. (Oper. Technique).
 Simmonds, W. J., B.Sc., M.B.,
 B.S. (Pathol.).
 Schafer, D. P. H., M.B. (Med.).
 Watkins, S. B., M.Sc. (Metall.).
 Willson, J. S., M.B., B.S. (Anæ-
 thetics).

Physical Education

Burge, I. C., B.Phys. Ed. Spring-
 field Director.
 Simpson, K., Dip.Phys. Ed.
 Pt.-time Instr.
 15 Pt.-time Lectrs. and Demrs.

Veterinary Science

Burns, R. H., B.V.Sc. Syd.
 Lectr.-in-Charge.
 McDowall, A., B.V.Sc. (Vet. Anat.)
 Lectr.

External Studies

Thatcher, T., B.A. Director.
 Poppel, Myra A., B.A. Sr. Asst.
 Heath, Phyllis, B.A. Asst.
 Liddle, Elizabeth, B.A. Asst.

Ruddle, Caroline, B.A.	Asst	Campbell-Brown, Kathleen, B.A.
Stoodley, June, B.A.	Asst.	(French).
McSporran, Ruth M., B.A.	Asst	Cochrane, G. R., M.A. Melb.
Oliver, Dawn, B.A.	Asst	(German and French).
Institute of Modern Languages		Kay, Mrs Margot (German).
Pt.-time Lecturers		Flint, E H., B.A (Japanese)
Witheridge, H. W. (Chinese).		Smukoff, Mrs Zena (Russian)

RECOGNIZED RESIDENTIAL COLLEGES

- EMMANUEL (Presb.). Principal—Rev. Mervyn Henderson, M.A. Camb.
 ST JOHN'S (C. of E.). Warden—Rev. W. A. Hardie, M.A., B.D.
 KING'S (Methodist). Master—Rev. H. H. Trigge, M.A., B.D. Melb.
 ST. LEO'S (R.C.) Rector—Rev. P. Meenagh, M.A.
 WOMEN'S (undenominational). Principal—Margaret Piddington, B.A. Syd.
 DUCHESNE (R.C. women). Principal—Madame J. Percy-Dove, M.A.,
 Dip.Ed. Syd.
 For particulars of residence, *see below*.

GENERAL INFORMATION

The Univ. was established by an Act of the local legislature in 1909, and the entire management and control are in the hands of a Senate. Until November 1943, the Senate consisted of 20 members—10 appointed by the State Government and 10 elected by the Univ. Council (consisting of all members and past members of the Senate; all graduates of the Univ. of 3 yrs.' standing; persons appointed by the Government as representative of commerce, industry, and scientific assocns.; benefactors, etc.). Under the "University of Queensland Act Amendment Act of 1941," which came into operation on November 8, 1943, the number of Government representatives on the Senate was increased to 15 making the total number of members 25 instead of 20. The Univ. is subsidized by the State Government. The amount of subsidy for the first teaching year (1910) was £5500. It has since been progressively increased and was £45,857 in 1946. A special grant of £7000 was also received from the State Government for that year. During 1946 the Commonwealth Government paid to the Univ. a sum of £30,420 towards the cost of the instruction of ex-Servicemen and -women, and allocated a further amount of £124,589 for the purchase of teaching equipment required for the training of ex-Service personnel.

Up to 1931 the grounds and buildings facing the Brisbane River and adjoining the Botanical Gardens included, in addition to the main building and recreation grounds, 6 floors of three blocks of the Central Technical Coll. buildings. The remainder of these blocks had to be taken over by the Univ. in 1932, in order to accommodate the increased number of students. Owing to the rapid growth of the Central Technical Coll., as well as the Univ., the Univ. is unable to obtain any more accommodation in the Coll. buildings.

The present site belongs to the Central Technical Coll. and is used only temporarily for Univ. purposes. The permanent site of the Univ., consisting of 223 acres, is situated on the Brisbane River in the suburb of St. Lucia. It has a river frontage on three sides, and was the gift of Dr. and Miss Mayne,

Brisbane. The erection on the St. Lucia site, by the State Government, of buildings to house all departments except those concerned with the work of the later years in the Faculties of Medicine and Veterinary Science, which are situated at Herston and Yeerongpilly respectively, is well advanced.

LIBRARY. 85,942 vols. **LABORATORIES:** Anat., Agric., Biol., Biophysics, Chem., Applied Chem., Engin., Geol., Metall. and Assaying, Pathol. and Bacteriol., Physics, Physiol., Psychol., Dent., and Vet. Sci.

FACULTIES. Arts, Science, Engineering, Commerce, Agriculture, Dentistry, Law, Medicine, and Veterinary Science.

DEGREE COURSES. (Day Students): 3 yrs.—B.A., B.Com., B.Sc., B.Surv.; 4 yrs.—LL.B., B.Sc. Honours, B.Sc. in Forestry, B Agr Sc., B.Sc. (App.) in Indust. Chem., B.Sc. (App.) in Medical Science, B.D.Sc., B.E. in Civ., Mech. and Elec., Chem., or Mining Engin.; 5 yrs.—B.Vet.Sc.; 6 yrs.—M.B. and B.S.

HIGHER DEGREES. Open to Bachelors of 2 yrs.' standing: M.A., M.Com., M.Ed., LL.M., M.Sc., M App.Sc., M.S.; of 3 yrs.' standing: M.Agr.Sc., M.E., M.D., D.V.Sc.; of 4 yrs.' standing: D.D.Sc.; of 5 yrs.' standing: D Agr.Sc.; of 7 yrs.' standing: D.Econ., D.E., Litt.D. Open to Masters of 5 yrs.' standing: LL.D., D.Sc. These higher degrees are obtained by examination and/or submission of a thesis, but in some cases certain specified outside experience is required in addition.

OTHER COURSES. Diplomas: Mech. and Elect. Engin., 4 yrs. (may be followed in any approved Coll. or Instn.); Architecture, 4 yrs.; Commerce (on unit basis—approx. 5 yrs.); Journalism, 2 yrs. for persons with 3 yrs.' practical experience; Physiotherapy (Massage), 3 yrs.; Music, 2 yrs.; Education, 1 yr. postgraduate. Certificates: Education, 4 yrs.; Accountancy, 2 yrs.; Architecture, 2 yrs.

EVENING LECTURES AND EXTERNAL STUDENTS. In the courses which are available to them, evening and external students are permitted to spread their studies over a longer period than that prescribed for day students, and pay a proportionate amount of fees each year. By completing 5 yrs.' evening work at the Univ. or at approved institutions, exemption from the first 2 yrs. of the B.E. course may be obtained. Persons who, having matriculated, are unable to attend lectures at or in connexion with the Univ., may pursue by correspondence certain courses in the Faculties of Arts, Commerce and Law, under the guidance of the Director of External Studies. They may thereby, provided they pass the usual degree examns. (which may be held at local centres), qualify for degrees.

ADULT MATRICULATION. Candidates who have attained the age of 25 yrs. may be admitted to matricn. in all the Faculties upon passing a special examn.

FEES. Matricn., £1:1s.; admission *ad eundem statum*, £1:1s.; Lecture Fees for single subject per Term, £2:2s.; Composition Fees for complete Degree Course in the Facs. of Arts and Comm., 12 to 18 gns. p.a.; Law, £22:10s. p.a.; Science (Pure), Science (Applied), Engineering, and Veterinary Science, 20 to 22 gns. p.a.; Dentistry and Medicine, £40 p.a.; General Purposes Fee, 2 gns. to 4 gns. p.a.; Examn. Fees, 1 gn. to 2 gns.; Graduation Fees—Bachelor, 3 gns. to 10 gns.; Master, 5 gns.; Doctor, 10 to 20 gns.

SCHOLARSHIPS, ETC., FOR GRADUATES. 2 gold medals offered by Government for distinction at graduation; £400 p.a. for 2 yrs. for study outside Australasia; £500 p.a. for 3 yrs., of which 2 to be spent abroad in Engin. Research; £450 p.a. for 2 yrs. in Econ. Biol. The last two were founded and are financed by the W. and E. Hall Trust.

RESIDENCE. Undergraduates are required to reside with their parents or approved friends or a tutor or in a recognized Residential Coll. or other instn. approved by the Senate. Fees in any of the Colls., including residence, commons, and tuition, amount to approx. 60 gs. a year.

PUBLIC EXAMINATIONS are held by the Univ. annually in Nov. and Dec.: Junior (divided into 6 sections, viz.—General, Art, Commercial, Home Sci., Agric. and Industrial) and Senior. For matricn. the corresponding public examns. of the other Australian Univs. are treated as equivalent to these.

MUSIC EXAMINATIONS. Under a joint scheme, controlled by the Australian Music Examns. Board, which is representative of the Univs of Queensland, Melbourne, Tasmania, Adelaide, and Western Australia, and the State Conservatorium of Music of New South Wales, examns. in Music and Art of Speech are held throughout the Commonwealth twice a year, in May and September.

EXTRA-MURAL WORK. An Institute of Modern Languages has been established to provide for the study, under expert guidance, of foreign languages up to the Senior Public Examination, *i.e.* matriculation, standard. Classes were held during 1946 in French, German, Russian, Chinese and Japanese.

RESEARCH. Under a 5-yr. scheme sponsored and financed by the Commonwealth Government through the Commonwealth Committee for Scientific and Industrial Research, the several Australian Univs. are allotted a certain sum each year for the purpose of carrying out approved research work. The following researches are in progress: the diseases of Queensland pasture plants; marine biological activities; researches dealing with the structure of the skin in vertebrates; ectoparasites of fish; the separation of Oxygen Isotopes ^{16}O and ^{18}O by thermal diffusion; investigation of heat transfer between cold brine and air; alkaloids from Queensland flora; the application of isotopes to the study of chemical reactions; a survey of Queensland plant products; methods of glue testing; hydraulic flow of slurries; methods of measurement in surveying; heat insulation testing; beams on imperfect supports; creep in timber beams and columns; bearing power of soils; seismic studies; Australian corals and Upper Paleozoic faunas; investigation of the heavy minerals in Queensland beach sands; investigation of Queensland coals; rectifying properties of contacts between metals and semi-conducting crystalline solids; use of Geiger counters for the determination of dosage with (a) radiophosphorus and (b) radon; physiology of domestic mammals in hot atmospheres; physiology of fowls and other birds in hot atmospheres; pharmacology of Queensland flora.

Under the National Health and Medical Research Council, the following projects are being carried on: *Dentistry*—an investigation into the prevention value of dental chewing tablets; an investigation of sample chemical susceptibility tests for dental caries. *Physiology*—investigations into human adaptation to reduced cooling powers.

Under the Queensland Meat Industry Board's grant to the Univ., the Physiology Dept. carried out the following investigations in 1946: Reactions to Jersey cows in milk to hot atmospheres; reactions of Jersey calves to hot atmospheres; reactions of Jersey cows to repeated and continuous exposure to 40° C., 30 mm. Hg. V.P. and 37.5° C. 30 mm. Hg. V.P. respectively; reactions of Jersey calves to continuous exposure to 37.5° C. 30 mm. Hg. V.P. respectively.

PUBLICATIONS. *Calendar* (Jan.), 5s. including postage; *Manual of Pub. Examns.*, 2s. (postage 3d. extra); *Music Manual*, free, postage 3d.

THE YEARS 1946, 1947

BENEFACTIONS. Mrs. Janet Taylor Munro bequeathed £2000 for the purposes of cancer research and research into diseases of the brain; A.I.F. officers who used the Univ. buildings at St. Lucia during the war contributed £508 to establish a section in the Univ. Library dealing with matters of military interest; and an amount of £30 was donated by the James F. Lincoln Arc Welding Foundation to establish a Library section dealing with arc welding. £350 was donated by the family of the late Hon. Virgil Power to establish an annual prize in his memory.

NEW BUILDINGS One further temporary ex-Army building near the Medical School was acquired for use by that School.

NEW DEPARTMENTS AND ACTIVITIES. A Degree course in Architecture was inaugurated at the beginning of 1946. A course in Medical Science, in the Applied Science section of the Fac. of Science, was also inaugurated in that year. Preliminary action was taken towards the establishment of courses in Public Administration and Social Science.

From the beginning of 1947, the Engineering courses offered by the Univ. have been increased in number, and the Degree course may now be taken in Civil, Mechanical, Electrical, Mining or Chemical Engineering. A third-year course in Aeronautical Engineering is also offered, but the final year cannot as yet be taken at this University.

CHANGES IN REGULATIONS. No important changes, except the addition of the regulations relating to the new courses mentioned under the heading of New Departments and Activities.

EXTRA-MURAL WORK. Until 1940 the extra-mural work of the Univ. consisted of special public lectures, such as the Macrossan and John Thomson Memorial Lectures, and a series of other public lectures delivered annually—usually in country towns—by members of the teaching staff on subjects considered to be of public interest.

It was found necessary in 1941, owing to war conditions, to suspend the delivery of public lectures in country towns, and it has not been possible yet to resume such activities. However, the Public Lectures Committee arranged six public lectures during 1947.

In 1940 an annual lectureship was established at each of the Australian Univs. under arrangements with the Commonwealth Government. The work of the Queensland lectureship each year consists of five lectures open both to the public and students and five seminars (or tutorials) for students only. The lectures and seminars are part of English I in the B.A. course. The appointee to the lectureship at each Univ. each year is a person who is a recognized authority on Australian Literature, *not* necessarily a member of the staff of one of the Univs. In 1946 the Macrossan Memorial Lecture was given by Col. J. K. Murray, B.A., B.Sc.Agr., Administrator, Papua and Australian Territories. *Subject*—"Papua—Mandated New Guinea in its Historical Perspective"; the John Thomson Lecture was given by Prof. D. H. K. Lee, M.Sc., M.D., D.T.M., F.R.A.C.P., Prof. of Physiology. *Subject*—"Human Climatology and Tropical Settlement."

RESIGNATIONS. Mr. G. P. B. Boissard, Lecturer in Physiol., to take up the Medical course at University Coll., London.

DEATHS. In 1947, Prof. T. Parnell (Physics); Prof. E. J. Goddard (McCaughy Prof. of Biol. and Dean of the Fac. of Agric.); Prof. R. W. H. Hawken (Engineering), Dean of the Fac. of Engineering.

HONORARY DEGREES (1947). *LL.D.*—Dr. James Duhig, Archbishop of Brisbane; *B.Com.*—E. H. George, on resignation as Principal of the State Commercial High School and College; *D.Sc. ad eundem gradum*—H. C. Webster, Prof. of Radiation Physics.

STUDENTS (1947). Total: 3811; full-time: 1869; part-time: 1942; the total includes 673 women and 58 postgraduates.

DEGREES (1947). B.A., 44; M.A., 10; B.Ed., 7; Dip.Ed., 7; B.Sc., 28; B.Sc.For., 2; M.Sc., 3; B.Sc.App., 10; D.Sc., 2; B.E., 31; M.E., 2; B.Com., 15; B.Sc. (Agr.), 4; B.D.Sc., 15; LL.B., 6; M.B., 20; B.S., 20; M.Surg., 1; B.V.Sc., 1.

UNIVERSITY OF SYDNEY

Founded 1850

Address—Sydney, New South Wales.

VISITOR—H.E. THE GOVERNOR.

CHANCELLOR—SIR CHARLES BICKERTON BLACKBURN, K.B., O.B.E.,
B.A. Adel., M.D., Ch.M., F.R.C.P. Eng and Edin., F.R.A.C.P.

DEPUTY-CHANCELLOR—The Hon. Mr. Justice E. D. ROPER, B.A., LL.B.

VICE-CHANCELLOR—Professor S. H. ROBERTS, M.A., Litt.D. Melb.,
D.Sc. (Econ.) Lond. (on leave from 30.6.48).

ACTING VICE-CHANCELLOR—W. A. SELLE, M.A.

REGISTRAR—G. DALE, B.Ec.

DEPUTY REGISTRAR—W. H. MAZE, M.Sc.

ASSISTANT REGISTRAR—MARGARET A. TELFER, B.A.

LIBRARIAN—E. V. STEEL, B.A.

TEACHING STAFF

Accountancy, v. Econ.

Agriculture, v. also Vet. Sci.

McMillan, J. R. A., M.Sc. Cornell,
D.Sc.Agr. Dean and Prof.

Waterhouse, W. L., D.Sc.Agr.,
D.I.C. Lond. (Plant Path. and
Agric. Bot.) Res. Prof.

Duncan, D. B., Ph.D. Ames,
B.Sc.Agr.

(Biometry) Sr. Lectr.

Vincent, J. M., B.Sc.Agr.

(Agric. Bact.) Sr. Lectr.

Watson, I. A., Ph.D. Minn., B.Sc.
Agr. Sr. Lectr.

Hallsworth, E. G., B.Sc., Ph.D.
Leeds

(Agric. Chem.) Sr. Lectr.

Breakwell, E. J., M.Sc.Agr. Adel.,
B.Sc.Agr.

(Principles of Agric.) Sr. Lectr.

Anderson, R. H., B.Sc.Agr.
(Forestry) Lectr.

Bowman, F. T., Ph.D. Michigan,
B.Sc.Agr.

(Fruit Culture) Lectr.

Butler, I. A., B.Ec.

(Agric. Econ.) Lectr.

White, N. H., D.Sc. Tas., M.Sc.

(Agric. Bot.) Lectr.

Breyer, B. Z., Ph.D. Bonn, M.D.
Padua (Agric. Chem.) Lectr.

Anatomy

Burkitt, A. N. St. G. H., M.B.,
B.Sc. (on leave) Challis Prof.

Stump, C. W., D.Sc., M.D. Edin.
(Histol. and Embryol.)

Bosch Prof.

Shellshear, J. L., M.S. Adel., M.D.,
Ch.M. (to 30.6.48)

Research Prof.

Kenny, R. H., M.B., M.S. Reader.
Garde, Mary L., B.Sc.

(Histol.) Sr. Lectr.

Macintosh, N. W. G., M.B., B.S.
Sr. Lectr.

Cleland, K. W., M.B., B.S.
(Cytology) Lectr.

Niesche, F. W., M.B., M.S. Melb.,
F.R.A.C.S. Lectr.

Anthropology

Elkin, A. P., Ph.D. Lond., M.A.
Prof.

Hogbin, H. I. P., Ph.D. Lond.,
M.A. Sr. Lectr.

Capell, A., Ph.D. Lond., M.A.

Lectr.

Architecture

Hook, A S (Pract. and Constn)

Dean and Prof

Gamble, A. A.

Sr. Lectr.

Thompson, E. L., B.Arch.

Lectr.

Harris, R. K.

Lectr.

Rees, L.

(Freehand Dr) Instr ,

(Hist Sculpture and

Painting) Lectr.

Biochemistry

Priestley, H., B.Sc., M.D , Ch.M.

Dean and McCaughey Prof.

Wardlaw, H. S. H., D.Sc.

Sr. Lectr

Still, J. L., Ph.D. Camb., B Sc (on

leave) Sr. Lectr

Humphrey, G F., M.Sc.

Lectr.

Botany, v. also Agric.

Burges, N. A., Ph.D Camb , M.Sc.

Prof.

McLuckie, J., M.A. Glas , D.Sc.

Reader.

Brough, P., M A., B Sc Agr. Glas.,

D.Sc Sr. Lectr.

Mercer, F. V., B.Sc. Adel. (on

leave) Lectr.

Smith-White, S., B.Sc.Agr. Lectr.

Beadle, N. C. W., D Sc Lectr.

Chemistry, Physical and Inorganic

Le Fèvre, R. J., D.Sc. Lond.,

F.R.I.C. Prof.

Iredale, T, D.Sc. Lond., B.Sc.

Reader.

Mellor, D. P., D.Sc. Tas. Reader.

Ritchie, E., M.Sc Sr. Lectr.

Dwyer, F. P. J., D.Sc. Sr. Lectr.

Lyons, L E, B.Sc Lectr.

Smythe, L. E, M.Sc. Lectr.

Angyal, S. J., D.Ph Budapest

Lectr.

Broe, J. J., M.Sc. Q'ld. Lectr.

Chem., Organic

Le Fèvre, R. J., D.Sc. Lond.,

F.R.I.C Actg. Prof.

Lions, F , Ph D. Manc , B.Sc.

Reader.

Hughes, G. K., B.Sc. Adel.

Sr. Lectr.

Cymerman, J., Ph.D. Lond. Lectr.

Dentistry, v. infra

Early English Literature and Language

Mitchell, A. G., Ph.D. Lond., M.A.

McCaughy Prof.

Economics

Butlin, S. J., M.A. Camb., B.Ec.

(on leave) Dean and Prof.

Partridge, P. H , M.A

(Govt and Pub Admin)

Prof.

La Nauze, J. A., M.A. Ox.

(Econ.) Actg. Prof.

Arndt, H. W., B.Litt. Ox.

(Econ.) Sr. Lectr.

Black, H D., M.Ec. Sr. Lectr.

Rutherford, R. S G., B.A. Ox.

(Econ. Statistics) Sr. Lectr.

Laffer, K. M., B.A.W.A.

(Econ.) Lectr.

Renwick, C. C., B.Ec

(Econ.) Lectr.

Butlin, N. G., B.Ec.

(Econ. Hist.) Lectr.

Kerr, I. W., B.Ec.

(Accountancy) Lectr.

Brown, R. B., B.Ec.

(Statistics) Lectr.

Kewley, T. H., M.A.

(Pub. Admin.) Lectr.

Bridge, A. B. K. I., LL.B.

(Com. and Ind. Law) Lectr.

Wills, N. R., B Sc. (Pub. Admin.)

Lectr.

Education

McRae, C. R., Ph.D. Lond., M.A.,

Dip.Ed. Melb. Prof.

Phillips, G. E., D.Sc. Lond., M.A.,

Dip.Ed. Melb. Lectr.

Turner, I. S., M.A. Columbia,

Ph D. Lond., M.Sc. Lectr.

Engineering, v. infra

English Literature

Waldock, A. J. A., M.A. Prof.
Howarth, R. G., B.Litt. Ox., B.A.
Sr. Lectr.
Oliver, H. J., M.A. Sr. Lectr.
Rhodes, F. W. W., M.A. N.Z. and
Ox. Lectr.

Forestry, v. Agric.

French

[McCaughey Prof.]

Henning, I., D. de l'U. Paris, B.A.
Jackson, R. F., B.A. Sr. Lectr.
Woodward, L. D., D. de l'U. Paris,
B.A. Sr. Lectr.
Valuet, M. E., L. ès L., Dipl. d'Ét.
Supérieures Lectr.

Geography

Holmes, J. M., B.Sc., Ph.D. Glas
McCaughey Prof.
Andrews, J., Ph.D. Camb., B.A.
Sr. Lectr.
McKenzie, W. D., B.Sc. Lectr.

Geology and Phys. Geog.

Cotton, L. A., M.A., D.Sc.
David Prof. and Hovell
Lectr.
Browne, W. R., D.Sc. Reader.
Waterhouse, L. L., B.E. Reader.
Osborne, G. D., D.Sc. Sr. Lectr.
Brown, Ida A., D.Sc. Sr. Lectr.
Quodling, Florrie M., B.Sc. Lectr.

German and Comparative Lit.

Farrell, R. B., Ph.D. Berlin, M.A.
(on leave) McCaughey Prof.
Crossley, R. G., Ph.D. Friburg
i.B., B.A. W. Aust. Sr. Lectr.

Greek

Trendall, A. D., M.A. Camb., M.A.,
Litt.D. N.Z. Prof.
Shipp, G. P., B.A.
(Comp. Philol.) Reader.
Trewick, A. P., B.A. Sr. Lectr.
Manton, G. R., M.A. Camb. (on
leave) Sr. Lectr.

Histology and Embryol., v. Anat.

History

Greenwood, G., Ph.D. Lond., M.A.
Actg. Challis Prof.
McDonald, A. H., M.A. Camb. and
N.Z., Ph.D. Camb. (Anc.
World) Hist. (on leave) Prof.
Jacobs, Marjorie G., M.A. Lectr.
Ward, J. M., M.A., LL.B. Lectr.

Italian

Shaw, R. A., M.A. Melb. Sr. Lectr.

Latin

Smith, R. E., M.A. Camb. Prof.
Shipp, G. P., B.A. (Comp. Philol.)
Reader.
Powe, A. B., M.A. Q'ld. Sr. Lectr.
Robinson, A. H., M.A. Sr. Lectr.
Nicholls, J. J., B.A. Camb., B.A.
Lectr.
Fitzhardinge, L. F., M.A., B.Litt.
Ox., B.A. Lectr.

Law, v. infra

Mathematics, Pure and Applied

Room, T. G., M.A. Camb. (on
leave) Prof.
Bullen, K. E., M.A. N.Z., Ph.D.
Camb. (Appl. M.) Prof.
Lyons, R. J., M.A. Camb., B.A.
(Geom.) Reader.
Thorne, H. H., M.A. Camb., B.Sc.
Sr. Lectr.
Smith-White, W. B., B.Sc.
Sr. Lectr.
Mulhall, H., B.Sc.
(Appl. M.) Lectr.
Chong, F., M.Sc. Lectr.

Medicine, v. infra

Mining, v. Engineering

Music

Peart, D. R., B.A., B.Mus. Ox.
Prof.

Oriental Studies

..... Prof.

Pharmacy

I.arge, Dorothy K., B.Sc. Lectr.

Philosophy

[Challis Prof.]

Anderson, J., M.A. Glas.

Passmore, J. A., M.A. (on leave)
Sr. Lectr.

Walker, Alice R., B.A. Lectr.

Rose, T. A., B.A., Lectr.

Philosophy, Political and Moral

Stout, A. K., M.A. Ox. Prof.

Mackie, J. L., M.A. Ox., B.A.
Lectr.*Physics*..... Prof.
Bailey, V. A., M.A., D.Phil. Ox.
(Experimental P.) Prof.Love, W. H., Ph.D. Camb., B.Sc.
Sr. Lectr.Makinson, R. E. B., Ph.D. Camb.,
B.Sc. Sr. Lectr.

Fraser, M., M.A., D.Phil. Ox.

Healey, R. H., D.Sc. Sr. Lectr.

Guest, P. G., M.Sc. Lectr.

Physiology

Cotton, F. S., D.Sc. Prof.

McQuiggin, H. G., B.Sc., M.B.,
Ch M Sr. Lectr.

Lawrence, W. J., M.Sc. Sr. Lectr.

McIntyre, A. K., M.B., B.S., B.Sc.
(on leave) Sr. Lectr.

Carlisle, F., B.Sc. Lectr.

Psychology

O'Neil, W. M., M.A.

McCaughy Prof.

Gibb, C. A., M.A., B.Ec. (on leave)
Sr. Lectr.

Hammer, A. G., B.A. Lectr.

*Semitic Studies*MacLaurin, E. C. B., M.A. Camb.,
B.D. Lectr.*Statistics*

Mulhall, H., B.Sc. Actg. Lectr.

*Veterinary Science*Gunn, R. M. C., B.Sc.Agr. Birm.
and Syd., D.V.Sc. Prof.

Carne, H. R., D.V.Sc.

(V. Path. and Bacteriol.)

Dean and Prof.

Whitehouse, F., B.V.Sc.

(Zootechny.) Sr. Lectr.

Webb, R. M., B.V.Sc.

(V. Anat.) Sr. Lectr.

Newcomb, J. W., B.V.Sc. (V. Mat.
Med. and Therapeutics)

Sr. Lectr.

Geddes, H. J., M.Sc.Agr. N.Z.
(Animal Husbandry)

Sr. Lectr.

Bain, R. V. S., B.V.Sc. (V. Path.
and Bact.) Sr. Lectr.Gordon, H. M., B.V.Sc.
(V. Parasitol.) Lectr.Drabble, J., B.V.Sc.
(Meat Inspection) Lectr.Steel, J. D., B.V.Sc. (V. Med.) (on
leave) Lectr.Blood, D. C., B.V.Sc. (V. Med.)
Lectr.Austin, C. R., M.Sc., B.V.Sc. (V.
Physiol.) Lectr.Franklin, M. C., M.Sc. N.Z., Ph.D.
Camb. (Animal Nutrition)

Lectr.

Hindmarsh, W. L., B.V.Sc. (Epi-
demiol.) Lectr.Hungerford, T. G., B.V.Sc. (Poul-
try Diseases) Lectr.Belschner, H. G., D.V.Sc. (Sheep
Diseases) Lectr.Gill, D. A. (V. Med. and Juris-
prud.) Lectr.McQuiggin, H., M.B., Ch.M., B.Sc.
(Vet. Pharmacol.) Lectr.*Zoology*Dakin, W. J., D.Sc. Liv., F.L.S.
Challis Prof.

Briggs, E. A., D.Sc. Reader.

Colefax, A. N., B.Sc. Sr. Lectr.

Birch, L. C., M.Sc. Adel., M.Agr.Sc.
Melb. Sr. Lectr.Woodhill, A. R., B.Sc.Agr. (Ento-
mol.) McCaughy Lectr.Salter, K. E. W., B.Sc. (Entomol.)
Lectr.

Engineering

Aeronautics

Stephens, A. V., M.A. Camb. Prof.
Wittrick, W. H., B.Sc. Camb.
Sr. Lectr.

Chemical E

Hunter, T. G., D.Sc., Ph.D. Birm.
Prof.
Parker, H. H. S., B.Sc. Lectr.

Civil E.

Miller, W. A., B.Sc. Glas., M.E.
Challis Prof.
Vogan, H. J., B.E. Reader.
Aston, R. L., M.Sc., Ph.D. Camb.,
B.Sc., B.E. (Surveying, etc.)
Sr. Lectr.
Gray, C. A. M., B.Sc., B.E.
Sr. Lectr.
Debenham, A. J., B.E. (Harbour
and Docks) Lectr.
Larkins, H. M., B.E. (Irrigation)
Lectr.
Nicol, T. B., B.E. (Water Supply
and Sewerage) Lectr.
Hawkins, C. A., B.E. (Road E.)
Lectr.
Sherrard, H. M. (Regional Plan-
ning) Lectr.

Electrical E.

Madsen, Sir John P. V., D.Sc.
Adel., B.E.
Dean and Russell Prof.
Sharp, L. H., B.Sc., B.E.
Sr. Lectr.
Campbell, E. F., B.E. Sr. Lectr.
Doe, A. G., B.Sc., B.E. Sr. Lectr.
Aitchison, R. E., B.Sc. (Communi-
cation Engr.) Sr. Lectr.
Mackay, R. J. W., B.Sc., M.E.
Hon. Lectr.

Mechanical E.

McDonald, G. G., B.Sc., Ph.D.
Glas. Russell Prof.
Gibson, W. H. H., B.Sc., M.E.
Reader.
Hart, K. R. M., B.Sc., M.E.
Sr. Lectr.

Vonwiller, G. B., B.Sc., B.E. (E.
Design and Drawing)

Sr. Lectr.

Peterson, V. R., B.Sc., B.E. Lectr.
Wood, M. M., Ph.D. Ox. (Int.
Combust. Engines) Lectr.
Butcher, A. C. Hon. Lectr.

Mining E.

Salter, J. W. Russell Lectr

Technology and Metallurgy

Ellis, J. N., B.E. Lectr.
McMaster, J. G., B.Sc. Melb. and
Syd. Lectr.
McCartney, E. R., B.Sc. Lectr.

Law

Shatwell, K. O., B.A., B.C.L. Ox.
Challis Prof and Dean.

*Admiralty Law and Procedure,
Evidence and Pleading*

McMinn, W., B.A., LL.B.
Challis Lectr.

Company Law

McLelland, C., B.A., LL.B. Lectr.

Constitutional Law

Holmes, J. D., B.A., LL.B. Lectr.

Contracts and Merc. Law

Evans, J. D., B.A., LL.B.
Challis Lectr.

Conveyancing

Watts, P. R., B.A., LL.B.
Challis Reader.

Criminal Law

Treath, V. H., B.C.L. Ox., B.A.
Challis Lectr.

Equity Law

Stephen, F. C., B.A., LL.B.
Challis Lectr.

Industrial Law

Sheldon, W. S., B.A., LL.B.
Hyman Lectr.

International Law and Jurispr.

Stone, J., B.A., D.C.L. Ox., LL.M.
Leeds, S.J.D. Harv.
Challis Prof.

Legal Ethics

Teece, R. C., M.A., LL.B.
Perry Lectr.

Legal History and Political Science

Currey, C. H., M.A., LL.D. Lectr.

Legal Interpretation

Monahan, C. D., LL.B.
Actg. Challis Lectr.

Lunacy Law

Barraclough, F. E., M.A., LL.B.
Lectr.

Probate and Bankruptcy

Macfarlan, B. P., B.A., LL.B.
Actg. Challis Lectr.

Property and Divorce

Hope, R. M., LL.B. Challis Lectr.

Roman Law

Flattery, T. P., M.A., LL.B.
Challis Lectr.

Torts and Private International Law

Morison, W. L., B.A., LL.B. Lectr.

Medicine

(for subjects of first 2 yrs.—
Anat., etc., v. *supra*)

Anæsthetics

Hotten, W. I. T., M.B., Ch.M.
Lectr. and Tutor.

Tutors

Hunter, H., M.B.
Lamrock, J. J. C., M.B., Ch.M.
Daly, H. J., M.B., Ch.M.

Bacteriology

Ward, H. K., M.C., M.B., D.P.H.
Ox., F.R.A.C.P. Bosch Prof.
de Burgh, P. M., M.B., B.S. (on
leave) Sr. Lectr.

Diseases of Ear, Nose, Throat

Halloran, G. R., M.D., Ch.M., B.Sc.,
F.R.C.S., F.R.A.C.S. Lectr.

Diseases of the Skin

Belisario, J. C., M.B., Ch.M. Lectr.

Gynæcology

Maguire, F. A., C.M.G., D.S.O.,
V.D., M.D., Ch.M., F.R.C.S.,
F.C.O.G., F.R.A.C.S. Lectr

Gynæcology, Clinical

Chapman, C. L., M.B., Ch.M. Lectr.
Porter, H. K., M.B., Ch.M. Lectr.
Fraser, M. B., M.B., Ch.M. Tutor.
Duggan, A. R. H., M.B., Ch.M.
Tutor.
Foy, D. S., M.B., Ch.M., F.R.C.S.
Tutor.

Infectious Diseases

Symington, N. J., M.B., Ch.M.
Lectr.

Medical Jurispr. and Ethics

Sheldon, S., M.B., Ch.M. (Med.
Jurispr.) Lectr.
Hunter, J. G., M.B., Ch.M., B.Sc.
(Med. Eth.) Lectr.

Medicine

Lambie, C. G., M.C., M.D. Edin.,
F.R.C.P. Bosch Prof.
Morrow, A. W., M.B., B.S.
(Therapeutics) Lectr.
Brown, K. S. M., M.B., Ch.M.
(Hist. of Med.) Lectr.
Hughes, L. H., M.D., Ch.M. Lectr.

*Medicine, Clinical***Lecturers**

McDonald, C. G., M.B., Ch.M.
F.R.A.C.P.
Collins, A. J., M.B., M.S.,
F.R.A.C.P.
Willcocks, G. C., M.B., Ch.M.,
F.R.C.P. Lond.
Evans, W., M.B.
Dods, L. F., M.D., Ch.M., D.C.H.,
F.R.A.C.P.
Jeremy, R., M.B., Ch.M.
Ingram, W. W., M.D., Ch.B.
Aberd.

Medical Tutors

Armati, R. E., M.B., B.S.
Back, R. F., M.B., Ch.M.
Goulston, S. J. M., M.C., M.B., B.S.
Harris, R. L., M.B., B.S.

Harrison, K. S., M.B., B.S., D.T.M.

Hewitt, L. E., M.B., B.S.

Isbister, J., M.B., B.S.

Joseph, M. R., M.B., B.S., B.Sc.

Ross, D. M., M.B., Ch.M.

Steel, R. S., M.B., Ch.M.,
F.R.A.C.P.

Allen, R. A. M., M.C., M.B., Ch.M.

Calov, W. L., M.B., Ch.M., D.T.M.,
F.R.A.C.P.

Noad, K. B., M.B., Ch.M.,
F.R.A.C.P.

Stobo, A. J. H., M.B., Ch.M.,
F.R.A.C.P.

Stokes, E. H., M.D., Ch.M.,
F.R.A.C.P.

McGuinness, A. E., M.B., B.S.

Markell, P. J., M.B., Ch.M.

Sibree, E. W., M.D., B.S.

Spedding, R. L., M.B.

Winning, Kathleen M., M.B., Ch.M.

Obstetrics

Mayes, B. T., M.B., B.S.,
F.R.C.S.Ed., F.R.A.C.S. Prof.

Lowe, G. B., M.B., Ch.M., F.R.C.S.
Ed. Lectr.

Winning, Kathleen M., M.B.,
Ch.M., D.C.H. (Mothercraft)
Lectr.

Hughes, T. D., M.B., Ch.M. Lectr.

Maitland, D. G., M.B., B.S. (Radio-
logical Obstet.) Lectr.

Tutors

Richardson, K. S., M.B., B.S.

McCredie, H. A., M.B., Ch.M.

Howell, K. J., M.B., Ch.M.

Stevenson, R. B. C., M.B., Ch.M.

Ophthalmology

Gregg, N. M., M.C., M.B., Ch.M.,
F.R.A.C.S., D.O.M.S.

Pathology

Inglis, W. K., M.D., Ch.M. Prof.

Smith, K. V., M.B., B.S. Adel.

Sr. Lectr.

Reye, R. D. K., M.D., B.S. Lectr.

Latham, O., M.B., Ch.M. (Neuro-
path.) Lectr.

Preventive Medicine

Ford, E., O.B.E., M.D., B.S.
Melb., D.P.H. Lond., D.T.M.,

F.R.A.C.P. Prof.

Psychiatry

Dawson, W. S., M.A., M.D., B.Ch.,
D.P.M. Ox., F.R.C.P. Prof.

Tropical Medicine

Baldwin, A. H., M.B., B.S., D.P.H.

Melb., D.T.M. & H. Lond.,
F.R.A.C.P.

Surgery

Dew, H. R., M.B., B.S. Melb.,
F.R.C.S.Eng. Bosch Prof.

Surgery, Clinical

Lecturers

Fisher, E. M., M.B., Ch.M.

Furber, T. M., M.B.

Winston, C. E., M.B., Ch.M.

Buchanan, A. L., M.B., Ch.M.,
F.R.C.S.

Coppleson, V. M., M.B., Ch.M.,
F.R.C.S.

Flynn, M. R., B.A., M.D., Ch.M.,
B.Sc.

Jamieson, H. H., M.B., Ch.M.,
F.R.C.S.Ed.

Wesley, C. H., M.B., Ch.M.

Tutors

Johnson, A. S., M.B., M.S.

Lovell, S. H., M.B., M.S.

Barling, E. V., M.B., B.S.

Turnbull, H. I., M.B., B.S.

Findlay, A. P., M.B., Ch.M.

Gibson, E. W., M.B., B.S.

Hedberg, E. A., M.B., M.S.

Malcolm, R. J. W., M.B., Ch.M.

Spencer, S. L., M.B., B.S., F.R.C.S.

Goulston, E. H., M.B., B.S.,
F.R.C.S.I.

Kenny, P. J., M.B., B.S., F.R.C.S.

McGrath, W. S., M.B., B.S.

MacMahon, E. G., M.B., Ch.M.

May, L., D.S.O., M.C., M.B., Ch.M.,
F.R.C.S.Ed.

Tait, L. G., M.B., Ch.M.

Dentistry

- Arnott, A. J., D.D.Sc.
Dean and McCaughey Prof.
- Graham, C. H., D.D.S. North-
western (Prosthetic D.)
Sr. Lectr.
- Lyell, J. S., B.D.S. (Oper. D.)
Sr. Lectr.
- Gabriel, A. C., D.D.Sc. (D. Anat.
and D. Histol.) Sr. Lectr.
- Cameron, D. A., M.D.S. (D.
Pathol.) Sr. Lectr.
- Mackinnon, K. P., B.D.S. (Pros-
thetic D. and Sci. of D.
Materials) Lectr.
- Wilson, J. H., D.D.Sc. (Pros-
thetic D.) External Lectr.
- Wallace, E. S., D.D.Sc. Melb.
(Dental Mat. Med. and Thera-
peutics, Nutrition) Lectr.
- Kirkpatrick, R. M., D.D.Sc.
(Periodontia and D. Pathol.)
Lectr.
- Grainger, W. A., B.D.S. (Cer-
amics) Lectr.

- Martin, N. D., B.D.S. (Preventive
D.) Lectr.
- Ash, W. P., LL.B. (D. Jurispr.)
Lectr.
- Benson, W. N., D.D.Sc. (Ortho-
dontia) Lectr.
- Goldsworthy, N. E., Ph.D. Camb.,
M.B., Ch.M. (D. Bacteriol.)
Lectr.
- Cloutier, R. Q. M., B.D.S. (Perio-
dontia) Tutor.
- Flynn, M. R., B.A., M.D., Ch.M.,
B.Sc. (Surg.) Tutor.

University Extension

- Ward, J. M., M.A., LL.B.
Secy. to the Board.

Tutorial Classes

- Duncan, W. G. K., M.A., Ph.D.
Lond. Director.
- Wilson, J. L. J., B.A. N.Z.
Asst. Director.
- 7 full-time tutors and 47 tutorial
class lectrs.

COLLEGES WITHIN THE UNIVERSITY

ST. PAUL'S COLLEGE (Anglican). Warden—Rev. F. R. Arnott, M.A. Ox.
Sub-Warden—R. R. Braddon, B.A. 9 other Lectrs.

ST. JOHN'S COLLEGE (R.C.). Rector—Rev. J. C. Thompson, M.A., Dip.Ed.
Ox. Vice-Rector—Rev. W. J. Cantwell. 9 other Lectrs.

ST. ANDREW'S COLLEGE (Presb.). Principal—Rev. W. Cumming Thom,
B.D., Ph.D., M.A. Aberd. (on leave). 3 Fellows and 10 other Profs. and Lectrs.

WESLEY COLLEGE (Methodist). Master—Rev. B. R. Wyllie, M.A., B.D.
Melb. Vice-Master—..... 11 Lectrs.

THE WOMEN'S COLLEGE (undenominational). Principal—Helen E. Arch-
dale, LL.M. Lond., B.A. McGill. 6 Lectrs.

SANCTA SOPHIA COLLEGE (R.C. Women). Principal—Rev. Mother Nita
Macrae, B.A. Vice-Principal—Mother Mary Arnold, M.A. Melb. and Syd.
9 Lectrs.

COLLEGE OUTSIDE THE METROPOLITAN AREA

NEW ENGLAND UNIVERSITY COLLEGE, ARMIDALE, N.S.W. Established by
the University of Sydney, 1938. Warden—R. B. Madgwick, D.Phil. Ox.,
M.Ec. 19 Lectrs.

GENERAL INFORMATION

Founded by Act of the N.S.W. Legislature in 1850, the Univ. was granted
a Royal Charter in 1858. Its development has been largely due to private

benefactions: notably those of J. H. Challis—£250,000—in 1880; T. Fisher—£30,000 for Library—in 1885; P. N. Russell—£100,000 for School of Engineering, etc.—in 1896 and 1904; W. O. Watt, £78,354, 1925–1928; and G. H. Bosch, £249,000, 1927–1928. Under the will of Sir S. McCaughey it receives an annual income which amounted in 1945 to £16,000. In 1912 the Statutory endowment was raised from £10,000 to £20,000, with provision for further automatic increases, and at the same time the constitution of the governing body, called the Senate, was altered so as to include 6 nominees of the Govr. and Parliament (one-fourth of the whole number). In 1917–18 the Statutory endowment was further increased to £32,000, including £2000 for the new School of Archit. In 1919 the State provided £50,000 a year for 6 years for additional buildings. The Faculties were, in that year, increased from 4 to 10. From Jan. 1938 the statutory endowment was fixed at £100,000 p.a., being an increase of £32,000 p.a. on the previous total of Govt. grants; an additional grant of £25,000 p.a. has been approved from July 1947. The grounds, which include the sites of the Colleges grouped round an oval, cover 140 acres.

Provision was made by Act of Parliament soon after the foundation of the Univ. for endowing such Colleges as might be established within it, to the extent of £20,000 in aid of building and £500 p.a. towards the Principal's salary.

Under an Act passed at the end of 1937 the Senate is empowered to establish and maintain Colleges outside the Sydney metropolitan area. These will be under the control of the Senate through an advisory committee for each College acting under Bylaws made by the Senate. Students will be admitted to degrees of the Univ. of Sydney. The first College has been established at Armidale, 360 miles distant from Sydney (v. *supra*).

The FISHER LIBRARY, 1946, expenditure £5521, 293,347 vols., receives about 3918 serial publications. MUSEUMS: Nicholson collection of Egypt., Greek and Roman Antiq.; Macleay Nat. Hist.; Anat., Geol., and Zool.; Obstetric, Materia Medica. LABORATORIES: Schools of Med., Engin. and Archit. (atelier), Bot., Chem. (including Metall. and Research), Geol., Phys., Zool. There is a MARINE BIOLOGICAL STATION at the entrance to Port Jackson with a small auxiliary yacht for biological and oceanographical research under Prof. Dakin. HOSPITALS—recognized clinical schools: Royal Prince Alfred, Sydney, St. Vincent's (General), The Royal North Shore and Repatriation General (Concord) (from March 1949); Royal Hospital for Women and Women's Hospital, Crown St. (Obstet. and Gynæc.); Royal Alexandra Hospital for Children (Pædiatrics); a number of others are recognized for special post-graduate training.

FACULTIES AND DEANS. Arts, Prof. A. D. Trendall (Greek); Law, Prof. K. O. Shatwell; Medicine, Prof. H. R. Dew (Surgery); Science, Prof. H. Priestley (Biochem.); Engineering, Sir John Madsen (Elect. Eng.); Dentistry, Prof. A. J. Arnott; Vet. Science, Prof. H. R. Carne (Vet. Pathol.); Agriculture, Prof. J. R. A. McMillan; Economics, Prof. S. J. Butlin; Architecture, Prof. A. S. Hook.

COMMONWEALTH SCHOOL OF PUBLIC HEALTH AND TROPICAL MEDICINE. The School acts as the teaching and examn. centre for the Univ.'s Diplomas of Public Health, Trop. Medicine, and Trop. Hygiene. In addition a course in Preventive Med. is given, and lectures in School Hygiene for the Diploma in Education. Short courses are also given in Architectural Hygiene, Social Hygiene, and Trop. Hygiene. The School is financed by the Commonwealth Health Dept., but all teaching is directly controlled by the Univ. and the Fac. of Med., together with all matters concerning diplomas, syllabuses, fees,

examns., etc. An Advisory Council, under the Chairmanship of the Director-General of Public Health, Commonwealth of Australia, deals with all matters of policy. The staff consists of a Director (also Prof of Preventive Med.), a Professor of Tropical Medicine, 11 Med. Officers, and a number of Visiting Lectrs.; 2 Entomologists and 11 Biochemists. The D.P.H. requirements are those of the General Medical Council of Gt. Britain, the D.T.M. corresponds to similar courses at the London School of Hygiene and the Liverpool School of Trop. Medicine. The main divisions of the School are those of Pub. Health and Preventive Med., Tropical Med. and Hygiene, Indust. Hygiene, Bacteriol. and Pathol., Parasitol. and Protozool., Med. Entomol., Vital Statistics. An excellent Library, especially in Trop. Medicine and Hygiene, is available. Adequate accommodation is available for research students.

DEGREE COURSES. 3 yrs.—B.A., B.Sc.; 4 yrs.—Hons. B.A., Hons. B.Sc., B.Sc. in Agric., B.Ec., LL.B., B.D.S., B.E. (in Civil Engineering, Mechanical and Electrical Engineering, Mining and Metallurgy, Chemical Engineering or Aeronautical Engineering; 5 yrs.—B.V.Sc., B.Arch., Hons. B.Sc. in Agr.; 6 yrs.—M.B., B.S.; 2 yrs. advanced study or research (after full 3 yrs. course at another Univ.)—B.A. or B.Sc. The LL.B. qualifies conditionally for admission to the bar. Law students may take the B.A. first, selecting Law subjects in 3rd yr., and complete combined course in 6 yrs., thereby gaining concessions in regard to periods of studentship and service as articled clerk. B.D. degree is obtainable in 2 yrs. after graduation in another Faculty. **HIGHER DEGREES**—Master's degree: Arts, Economics, Surgery, Science, Dent. Surgery, Engin., Agriculture. Doctorates: Letters, Law, Medicine, Science, Engin., Dent. Science, Vet. Science, Agriculture. **DIPLOMAS**—Postgraduate: Education, Anaesthesia, Cl. Pathology, Dermatology, Gynaec. and Obstets., Laryngology and Otorhinology, Ophthalmology, Psychological Medicine, Public Health, Diagnostic Radiology, Therapeutic Radiology, Trop. Medicine, Trop. Medicine and Hygiene; not restricted to graduates: Anthropology, Pharmaceutical Science, Social Studies.

RECOGNITION OF STUDIES ELSEWHERE. A considerable portion (in Med. at least 3 yrs.) of the curriculum for a Degree must be taken in Sydney. Holders of the Honours Diploma of the *Hawkesbury Agricultural College* or any college of similar standing who have passed the Intermediate Certificate Examn. in matriculation subjects may be admitted as matriculated students in Vet. Sci. or Agriculture.

FEES. Matricn., £3; degree of B.A., B.D., B.Sc., B.Sc.Agr. and B.Ec., £3; B.V.Sc., M.A., M.Sc., M.Sc.Agr. and M.Ec., £5; LL.B., M.B., B.S., B.E., M.E., B.D.S., M.D.S. and B.Arch., £10; Doctor in any Faculty, £20; degree courses in Arts (Pass, 3 yrs.), £119 (Hons. in one School, 4 yrs.), £126, (Hons. in two Schools, 4 yrs.), £147; Divinity, 2 yrs., £25; Law, 4 yrs., £158 (Arts subjects additional); Medicine, 6 yrs., £327 (excluding hospital attendance, £20, and practical Midwifery, £19); Science (Pass, 3 yrs.), £151 (Hons., 4 yrs.), £178; Engineering, 4 yrs. (Civil, Mech. and Elect., Chemical and Aeronautical), £241 (Mining and Metallurgical), £261; Dentistry, 4 yrs., £276 (excluding Dent. Hospl., £15 p.a.); Vet. Science, 5 yrs., £235 (excluding residence at Univ. Farm, £42); Agric. (Pass, 4 yrs.), £184 (Hons., 5 yrs.), £211; Economics, 4 yrs., £156; Architecture, 5 yrs., £268.

SCHOLARSHIPS, ETC., FOR GRADUATES. Demrs. are appointed annually in each Scientific Dept. with the obligation to carry out research under the direction of the Prof.; 12 travelling scholarships or fellowships are awarded from time to time for postgrad. study and research abroad; in addition, there is a limited number of postgrad. scholarships which may be held locally; 4

Macleay Fellowships of £400 p.a. each are awarded by the Linnean Society to B.Sc.'s.

RESIDENCE. The four denominational Colls. (v. *supra*) provide accommodation for about 430 students; the Women's Coll. for about 90, and Sancta Sophia College for 62 R.C. women students.

UNIVERSITY EXTENSION LECTURES are given in courses of from 3 upwards in Sydney and numerous local centres. *Tutorial Classes* are provided, as prescribed by the Act of 1912, under the superintendence of a Joint Committee of the Univ. and Workers' Educnl. Asscn. of N.S.W. In 1946 the expenditure for this purpose was £16,112; 83 classes were at work, including 2088 effective students.

PUBLICATIONS. *Calendar*, with annual report; Annual Examination Papers in sets; Account of research and scholarship and Reprints of Scientific Papers by members of the Staff; The *Union Recorder* (weekly during Term); Handbooks of Faculties of Arts, Dentistry and Economics and to the Nicholson Museum of Antiquities.

THE YEARS 1946, 1947

BENEFACTIONS. Estate late C. Brunsden Fletcher, £100 for Prize in Pacific History; Alexander Donald Scholp. in Veterinary Sci., for general proficiency at Leaving Certif. Examn. to a student from Sydney Grammar School entering Fac. of Veterinary Sci., £1000; estate late Mrs. Janet Hill, towards cancer research, £1000; estate late Carrie Moss, towards Chair of Music, £1000; Margaret Ethel Peden Prize (annual), for subject of Property, £200; Pollock Memorial Fund, for lecture to be delivered at intervals of 3 yrs., £595; Sheila M. Swain Memorial Prize, to student in Fac. of Sci. for best essay on annual field excursion (Geology III), £250; Sir John Peden Memorial Fund (conditions not yet determined), £1160.

NEW DEPARTMENTS AND POSTS. Deputy Registrar; in School of Chemistry, the two Depts. are: Physical and Inorganic Chem. (instead of Chem.), Organic Chem. (instead of Organic Chem., Pure and Applied); Depts. of Greek and Latin (instead of Classics); Dept. of Government and Public Administration (instead of Public Administration) in *Economics*; Dept. of Early English Literature and Language (instead of English Language); Dept. of Music; Dept. of Veterinary Science (instead of Veterinary Surgery and Obstetrics); Dept. of Veterinary Pathol. and Bacteriol. (instead of Veterinary Pathol.); Dept. of Chemical Engineering.

RETIREMENTS. Mr. W. A. Selle, Registrar; Prof. R. D. Watt (Agric.); Prof. L. Wilkinson (Archit.); Prof. A. L. Sadler (Oriental Studies); Dr. A. H. Martin (Psychol.); Asst. Prof. G. F. Sutherland (Mech. Engin.); Prof. Harvey Sutton (Preventive Med.); Prof. F. A. Eastaugh (Engin. Technol. and Metall.); H. G. Humphries (Surg.); F. A. Maguire (Gynæcol.).

RESIGNATIONS. Camilla H. Wedgewood (Anthropol.); J. C. Earl (Org. Chem., Pure and Applied); R. G. Cooke (Org. Chem., Pure and Applied); T. Piercy (Maths.); A. W. Banks (Vet. Bacteriol.); I. M. Thomas (Zool.); W. T. J. Harris (Gynæcol.); O. A. Diethelm (Med.); C. R. B. Blackburn (Med.); J. Sherwood (Med.); J. N. Chesterman (Obstet.); Ida B. Saunders (Obstet.); J. D. Hicks (Pathol.); J. C. Storey (Surg.); W. T. D. Maxwell (Surg.); B. Denning (Surg.); J. A. Manion (Surg.); Kathleen Cunningham (Surg.); J. Steigrad (Surg.); R. L. Taylor (Dent.); R. Harris (Dent.).

DEATHS. J. T. P. Tansey (Med.); H. A. Ridler (Obstet.).

STUDENTS (1946). Total: 8509; full-time 7536; part-time: 973; the total includes 2070 women and 170 postgraduates.

DEGREES. B.A., 176; M.A., 21; LL.B., 32; B.Sc., 159; M.Sc., 11; D.Sc., 3; B.Sc.For., 3; M.B., 152; B.S., 158; M.S., 4; B.E., 69; M.E., 1; B.D.S., 17; M.D.S., 3; D.D.Sc., 1; B.V.Sc., 17; B.Sc.Agr., 14; M.Sc.Agr., 1; B.Ec., 31; M.Ec., 1; B.Arch., 2.

UNIVERSITY OF TASMANIA

HOBART

Founded 1890

Address—Box 647c G P.O., Hobart.

Telephone—Hobart 7266.

VISITOR—H.E. Sir THOMAS HUGH BINNEY, K.C.B., D.S.O., Governor of Tasmania.

CHANCELLOR—The Hon. Sir JOHN DEMETRIUS MORRIS, M.A., LL.B., Melb.

VICE-CHANCELLOR—Prof. A. BURN, M.Sc., B.E. Syd.

REGISTRAR—A. S. PRESHAW, B.A. W. Aust.

LIBRARIAN—E. H. CLARK, B.A. Melb.

TEACHING STAFF

Accountancy, v. Comm.

Botany

Barbar, H. N., M.A. Camb., Ph.D.

Lond. Prof.

Curtis, Winifred M., M.Sc. Lond.

Lectr.

Chemistry

Kurth, E. E., D.Sc. Prof.

Israel, G. C., M.Sc. N.Z. Lectr.

Cran, J. E., B.A., B.Sc. Q'ld.

Lectr.

Polya, J. B., Dipl. Ing. Chem.,

D.Sc.Tech. Zürich Lectr.

Inglès, O. G., B.A., B.Sc. Lectr.

Classics

Elliott, J. R., B.A. Syd., M.A.,

Dip. Class. Arch. Camb. Prof.

Waters, K. H., M.A. Camb. Lectr.

Commerce

Firth, G. G., B.Sc. (Econ.) Lond.

Prof.

Dallas, K. M., B.Com. Lectr.

Dowsett, W. T., M.Ec. Syd.

Lectr.

Hewer, A. R., F.I.C.A. (Accy.)

Lectr.

Burbury, S. C., LL B. Lond. Lectr.

Asten, W., B.A. Manc. Lectr.

Education

Hardie, C. D., M.A. Camb. Prof.

Hills, W., B.A. Lectr.

Collins, T. G., B.Sc., Dip.Ed.

Lectr.

Dennis, C. M., B.A., Dip.Ed.

Lectr.

Doe, T. E., B.Sc. Lectr.

Perkins, W. H., B.A., Dip Ed.

Lectr.

Engineering

Burn, A., B.E. Syd., M.Sc. Prof.

Tuck, H. P., M.E. Adel., B.Sc.

Sr. Lectr.

Burrell, G. J., B.E. (Mech.) N.Z.

Lectr.

Scoles, D. J. Lectr.

Oliver, A. R., B.E. Adel. Lectr.

Newstead, G. H., M.E.E. Melb.

Lectr.

Griffiths, A. E. H., B.Sc. Lond.,

D.I.C. Lectr.

Lilley, E. M., B.Sc. Lectr.

English Lang. and Literature

Taylor, A. B., M.A. Ox. Prof.

AUSTRALIA

Harwood, F. W., M.A. Melb.	Urquhart, M. L., B.Sc.	Lectr.
Eyre, Joyce E. E., M.A.	Lowig, H. F. J., D.Nat.Sc.	Prague Lectr.
Stokes, E., B.A. Syd.	Sprent, P., B.Sc.	Lectr.
<i>Geology</i>	<i>Modern Languages</i>	[Prof.]
Carey, S. W., D.Sc. Syd.	Triebel, L. A., M.A. Lond., D.Litt.	
<i>History</i>	Van Abbé, D.M., M.A. Camb.	
King, C. S., M.C., M.A. Ox., B.A.	(to 31 8 48) Lectr.	
	Batt, Jean C., B.A.	Lectr.
Wilson, G. T. J., M.A. Camb. and N.Z.	<i>Psychology and Philosophy</i>	
Townesley, W. A., B.A. Birm., Dip. Ed. Lond.	Miller, E. Morris, M.A., Litt D. Melb., F.B.Ps.S.	Prof.
<i>Law</i>	Martin, A. H., M.A. Syd., Ph.D. Columbia	Lectr.
Baker, R. W., B.C.L. Ox., LL.B.	<i>Physics</i>	
	McAulay, A. L., M.A. Camb., Ph.D. Manc., B.Sc., F.Inst.P.	Prof.
Roulston, R. P., LL.B. Syd.	Cruikshank, F. D., D.Sc.	Sr. Lectr.
Everett, M. G., B.A., LL.B.	Fenton, A. G., B.Sc.	Lectr.
Crisp, M. P., LL.B.	Scott, B. I. H., B.Sc.	Lectr.
Solomon, H. J., LL.B.		
Goodman, P. M., LL.B. Syd.		
<i>Mathematics</i>	<i>Zoology</i>	
Pitman, E. J. G., M.A., B.Sc. Melb.	Hickman, V. V., B.A., D.Sc.	Ralston Prof.
Jaeger, J. C., D.Sc. Syd., M.A. Camb., F.Inst.P.	Guiler, E. R., B.Sc. Belf.	Lectr.

AFFILIATED RESIDENTIAL COLLEGE

CHRIST COLLEGE. Warden—Ven. Archdeacon W. R. Barrett, M.A., Th.L. For University and Theological students only. Accommodation, 36.

AFFILIATED SCHOOLS

MT. LYELL SCHOOL OF MINES AND INDUSTRIES.
HOBART TECHNICAL COLLEGE.
LAUNCESTON TECHNICAL COLLEGE.

GENERAL INFORMATION

Founded in 1890 under an Act of the Tasmanian Legislature, the Univ. was, in 1915, granted a Royal Charter. To the original Faculties—Arts, Science and Law—Commerce was added in 1919 and Engineering in 1922. Music (included under the Faculty of Arts) was taught from 1935 to 1938, but the Lectureship has lapsed. The State Govt. grant for 1946-47 was £32,785, and the Commonwealth Govt. contributed £10,430 to the cost of training ex-service men. Chemistry and some Engineering subjects are taught under a joint arrangement between the Univ. and the Hobart Techn. Coll.; the Joint Board of Management received a separate grant of £14,000 from the State and £3950 from the Commonwealth for these depts. in 1946-47.

An annual grant (£7160 in 1947) is made by the Commonwealth Government for the purpose of research work and the training of research students.

ADMISSION OF PERSONS OF MATURE AGE. Persons not below 25 yrs. of age who satisfy the Professorial Board that they possess sufficient qualifications for the courses they propose to pursue may be exempted from the ordinary requirements for matricn.

LIBRARY, 57,211 vols. and 11,147 pamphlets. **LABORATORIES:** Chem., Phys., Zool., Bot. and Geol., and Civ., Elect. and Mech. Engin. Testing plant in Engin. Dept.

DEGREE COURSES: 3 yrs., B.A., B.A. (Hons.), B.Sc., B.Econ., B.Com.; 4 yrs., LL.B., LL.B. (Hons.), B.Sc. (Applied), B.Sc. (Hons.), B.E., B.For., B.Econ. (Hons.). **HIGHER DEGREES.** Open to Bachelors of 2 yrs.' standing, M.A., M.Sc., LL.M., M.Com., Ph.D. (Sci. and Engin.); 3 yrs., M.E., D.Sc.; 7 yrs., D.Litt.; to Masters of 3 yrs.' standing, LL.D. **DIPLOMAS:** Commerce, 3 yrs.' course; Public Administration, 3 yrs.' course; Education, 1 yr. course (Postgraduate). **CERTIFICATES:** Education, 2 yrs.' course. **DIPLOMAS** of the Affiliated Schools: Elect., Mech., and Struct. Engin., App. Chem., Chem. Engin., Metall., Assaying and Metal Mining.

FEES. Matricn., £1: 1s.; *ad eundem statum*, £1; Admission to Degrees, Bachelors, £3: 3s. Including examn.: Masters, £10: 10s.; Doctors, £15: 15s. Degree Courses (full-time) in Arts (3 yrs.), £53; Science (3 yrs.), about £80; Science (Hons.) (4 yrs.), about £125; Science (Applied) (4 yrs.), about £125; Engin. (4 yrs.), £114; Law (4 yrs.), £91; Economics (3 yrs.), £64, Economics (Hons.) (4 yrs.), about £80; Commerce (3 yrs.), £61. Courses spread over longer periods than the minima would cost more.

PUBLIC EXAMINATIONS. Matricn.; Music (held in conjunction with other Australian Univs.).

PUBLICATIONS *Calendar* (March), 3s., *Matric. Examn. Manual* (April), 3s.; *Degree Examn. Papers* (April), 1s.; *Details Degree Examns.* (June), 6d.; *Students' Paper, Togatus* (issued fortnightly).

THE YEAR 1946-47

BENEFACTIONS. Electrolytic Zinc Co. of Australia Ltd., £500 for Cosmic Ray Research; Cadbury-Fry-Pascall Pty. Ltd., £500 for Nuclear Physics Research.

NEW BUILDINGS. Temporary buildings have been erected to house the Physics, Zool., Bot. and Geol. depts. pending transfer of the whole University to a new site.

NEW DEPARTMENTS AND POSTS. Chair of Botany, Lecturer in Statistics and Economics.

OTHER DEVELOPMENTS. The University will take over the training of school teachers in 1948 and has set up a Dept. of Education for this purpose. The staff consists of a professor, five full-time lecturers and several part-time lecturers. The University Act has been amended to provide that all graduates become members of Senate on graduation and not three years after as was previously the case.

NEW COURSES. Degrees of LL.B. (Hons.), B.Econ., B.Econ. (Hons.), Certificate of Education.

RESIGNATIONS. Prof. K. O. Shatwell (Law), on appt. as Challis Prof. of

Law, Univ. of Sydney; H. D. Gordon (Botany), on appt. as Prof. of Botany, Univ. of Otago; R. W. Parsons (Law), on appt. as Senior Lectr., Univ. of Western Australia.

STUDENTS (1947). Total: 741; full-time: 416; part-time: 325. The total includes 191 women and 9 postgraduates.

DEGREES AND DIPLOMAS CONFERRED (1947). B.A., 19; LL.B., 7; B.Sc., 13; M.Sc., 3; B.E., 8; M.E., 1; B.Com., 6; Dip.Ed., 7; Dip.Com., 3.

UNIVERSITY OF WESTERN AUSTRALIA

PERTH

Founded 1913

Address—Nedlands, W.A.

VISITOR—H.E. THE LIEUTENANT-GOVERNOR.

CHANCELLOR—Professor W. L. F. MURDOCH, C.B.E., M.A.

PRO-CHANCELLOR—E. W. GILLET, B.A., LL.B.

VICE-CHANCELLOR—Professor G. A. CURRIE, B.Sc. (Agric.), D.Sc. Aberd.

WARDEN OF CONVOCATION—Associate-Professor H. S. THOMPSON, M.A.

REGISTRAR—COLSELL SANDERS, Ph.D. Lond., M.A., Dip. Ed.

ACCOUNTANT—A. A. McDONALD, B.A., F.C.A.A.

LIBRARIAN—M. EVALYN WOOD, M.A.

TEACHING STAFF

Agriculture

Underwood, E. J., B.Sc. (Agric.),
Ph.D.

Dean, Fac. of Agric., Prof.
Stewart, A. M., B.Sc. (Agric.)

Sr. Lectr.

Moir, R. J., B.Sc. (Agric.) Lectr.

Coleman, R. G. Tech. Asst.

Specialist officers of State Dept. of

Agric. give lectures in Dairy-
ing, Hortic., Agric. Chem.,
Agric. Bot., Plant Patho-
logy, Econ. Entomol., Plant
Physiol., and Soil Sci

Biology

Nicholls, G. E., D.Sc. Lond.

Prof.

Nicholls, A. G., B.Sc., Ph.D.
Lond. Res. Fellow.

Hodgkin, E. P., B.Sc. Manc. Lectr.

4 Grad. Assts. and 1 Lab. Asst.

Botany

Grieve, B. J., M.Sc. Melb., Ph.D.
Lond. Sr. Lectr.-in-Charge.

Baird, Alison M., B.Sc. Lectr.
2 Grad. Assts.

Chemistry

Bayliss, N. S., B.A. Ox., B.Sc.
Melb., Ph.D. Calif.

Dean, Fac. of Sci., Prof.

White, D.E., B.Sc., Ph.D. Ox.
(Org. C.) Sr Lectr.-in-Charge.

Ellhott, G. A., Ph.D. Lond.

Sr. Lectr.

Riggs, N. V., B.Sc. Lectr.

Stokes, R. H., M.Sc. N.Z. Lectr.
2 Tech. Assts.

Classics and Ancient Hist.

Wood, G., M.A. Aberd. and Ox.
Prof.

Dental Science

Radden, H. G., D.D.Sc. Melb.

Prof.

Taylor, R. L., M.D.Sc. Syd.

Sr. Lectr.-in-Charge.

Brinsden, G. I., B.D.Sc. Melb.

Sr. Lectr.

Also Lecturers attached to the
Western Australian Coll. of
Dental Science.

Economics

- Mauldon, F. R. E., B.A., M.Ec.
 Syd., Litt.D. Melb. Prof.
 Harris, Merab, M.A., Ph.D. Lond.
 Lectr.
 Oxnam, D. W., M.A. N.Z. Lectr.
 Gentili, J., D.Sc. Venice Lectr.
 1 Grad. Asst.

Education

- Cameron, R. G., M.A. Syd.
 Dean, Fac. of Arts, Prof.
 Pick, Betty, B.A., Dip.Ed. Lectr.
 12 Pt-time Lectrs.

Engineering

- Blakey, O. F., M.E. Q'ld.
 Dean, Fac. of Eng. (Civil
 E.), Prof.
 Walker, R. S., B.E. (Mech. E.)
 Sr. Lectr.-in-Charge.
 Taplin, K. W., B.E. (Elect. E.)
 Sr. Lectr.-in-Charge.
 Espie, J. R., B.E. (Hyd.) Sr. Lectr.
 Townsend, W. G., B.E.
 Sr. Lectr. and Testing Officer.
 Dorney, F. H., B.Sc. Eng. (Mech.
 E.) Lectr.
 Hondros, G., B.E. (Civil E.)
 Lectr.
 Lutz, G. G., B.E. (Mech. and
 Civil E.) Lectr.
 Lacy, M. S., B.Sc. (Eng.) Calif.
 (Civil E.) Lectr.
 Hayman, W. G., B.E., B.Sc.
 (Radio Eng.) Pt-time Lectr.
 Spigl, F., B.E., B.Surv. (Survey-
 ing) Pt-time Lectr.
 Fraenkel, P. H., B.E.E. Melb.
 (Elect. E.) Pt-time Lectr.
 1 Tech. Asst.

English

- Edwards, W. A., M.A. Camb.
 Prof.
 Thompson, H. S., M.A.
 Assoc. Prof.
 King, A., M.A. Ox. Sr. Lectr.
 Tweedie, Jean, M.A. Melb. Lectr.
 4 Grad. Assts.

French

- Tauman, E. L., D.U. Aix, L. ès L.
 Aix Lectr.
 Randall, Jean, M.A., Dip. Ed.
 Melb. (on leave) Lectr.
 Morrow, Christine, B.A., D.U.P.
 Lectr.
 1 Grad. Asst.

German

- Pollak, H., Ph.D. Vienna Lectr.

Geology

- Clarke, E. de C., M.A. N.Z., F.G.S.
 Prof.
 Prider, R. T., Ph.D. Camb., B.Sc.
 Lectr.
 Fairbridge, R. W., B.A., B.Sc. Ox.,
 D.Sc., F.G.S. Lectr.

History

- Alexander, F., M.A. Melb. and Ox.
 Prof.
 Legge, J. D., M.A. Lectr.
 Reynolds, J. H., B.A. Adel. and
 Ox. Pt-time Lectr.

Italian

- Vanzetti, F. Pt-time Lectr.

Law

- Beasley, F. R., B.A. Ox., LL.B.
 Syd. Dean, Fac. of L., Prof.
 Watson, J. P. C., LL.B. Syd.
 Sr. Lectr.
 Pt-time Lecturers
 Adams, P. R., LL.B. (Real Pro-
 perty and Conveyancing).
 Jackson, L. W., B.A., LL.B. Syd.
 (Evidence and Legal Inter-
 pretation).
 Miles, Enid, B.A., LL.B. (Equity
 and Company L.).
 O'Sullivan, C. J., LL.B. (Contracts
 and Personal Property).
 Reilly, H. V., B.A., LL.B. (Practice
 and Procedure).
 Virtue, J. E., LL.M. Melb., B.A.
 (Torts and Crim. L.).
 Russell, Enid M., B.A., LL.B.
 Sec. Librarian.

Mathematics

Weatherburn, C. E., M.A. Camb.,
D.Sc. Syd. Prof.
Gamblen, F., M.A. Camb., M.Sc.,
Dip. Ed. Sr. Lectr.
1 Grad. Asst.

Philosophy

Fox, A. C., M.A. Syd. Prof.
Donagan A., B.A. Lectr.

Psychology

Marshall, A. J., B.A., Ph.D. Lond.,
F.B.P.S.
Sr. Lectr.-in-Charge.
Pentony, P., M.A. Sr. Lectr.
Bridge, Margaret, M.A., Dip. Ed.
Lectr.
2 Grad. Assts.
1 Tech. Asst.

Physics

Ross, A. D., M.A., D.Sc. Glas.,
F.R.A.S., F.Inst.P. Prof.
Shearer, J., B.A., M.Sc. Melb.
Sr. Lectr.
Williams, S. E., M.Sc. Syd., Ph.D.
Bristol Sr. Lectr.
Ramm, C. A., M.Sc. Lectr.
Lucas, L. N. D., B.Sc. Lectr.
Everson, D. W. Demr.

Surveying

Spigl, H. S., B.A., B.Surv.,
F.R.A.S. Pt.-time Lectr.

University Extension

6 Tutors for Correspondence
Courses.

Adult Education

Director, Asst. Director, various
Lectrs. and Tutors.

RESIDENTIAL COLLEGE

ST. GEORGE'S COLLEGE, affiliated to the University, admits men students.
Warden—J. H. Reynolds, M.A. Adel. and Ox.

AFFILIATED SCHOOLS

PERTH TECHNICAL COLLEGE; SCHOOL OF MINES, KALGOORLIE; MURESK
AGRICULTURAL COLLEGE; WESTERN AUSTRALIAN COLLEGE OF DENTAL
SCIENCE.

GENERAL INFORMATION

Established by Act of the State Legislature in 1911, the University opened its first session in 1913. Its present site of 165 acres is at Crawley-Nedlands on a bay of the Swan Estuary about 4 miles from Perth. The main university buildings, including Winthrop Hall, the student block, the Arts Lecture rooms and the Library were made possible by a bequest of Sir J. Winthrop Hackett, and to-day are known as the Hackett Memorial Buildings.

The University at present receives a statutory annual grant of £40,000 from the State Government and additional annual appropriations for current revenue from the same source. In addition it is receiving an amount of £30,000 approx. for current purposes from the Commonwealth Government to assist in the training of students under the Commonwealth Reconstruction Training Scheme, and a minimum per annum payment during the next few years of at least £15,000.

The administration is vested in a Senate of 21 members of whom six are nominated by the Government and seven are *ex officio* or co-opted members. A second body with mainly elective and revisionary functions is known as Convocation.

LABORATORIES. Agric., Bot., Chem., Geol., Engin., Phys., Psych., Zool., Dent.

FACULTIES. Arts, Sci., Engin. (including Surveying), Law, Agric., Dent., Educn.

DEGREE COURSES: 3 yrs.—B.A., B.Sc.; 4 yrs.—B.A. (Hons.), LL.B., B.Sc. (Hons.), B.D.Sc., B.Sc. (Agric.); 5 yrs.—B.E. and B.Surv. First year Medicine is given as a course of Fac. of Sci. Steps, however, are being taken to establish a full Medical Faculty, and in 1948 a Faculty of Education incorporating a 4-yr. professional degree course has been established.

HIGHER DEGREES. M.A., Litt.D., M.Sc., D.Sc., D.D.Sc., M.E., LL.M., LL.D.

DIPLOMA. Education (Postgraduate).

EVENING CLASSES are held in the Arts Faculty only, but certain Science classes may be taken in the evenings at affiliated Colleges.

FEES. Matriculation, no fee. *Ad eundem statum*, £1: 1s. Admission to Degrees: Bachelors, £3; Masters, £5; Doctors, £10. Annual Examination Fee, 10s. per subject with maximum of £2. No lecture fees are charged. Laboratory deposits, £1: 10s. per subject. First Year Attendance Deposits, £1: 1s. per subject. Library Deposit, £1.

Students not normally resident in Australia or who are not likely to become permanent residents of Australia are charged an annual and inclusive fee of £40.

RESIDENCE. Univ. Hostel for men and women. Fee: about £2 per week. Enquiries should be addressed to the Manageress. St. George's Coll. (v *supra*) provides accommodation for men students at a cost of approx. £90 p.a.

PUBLIC EXAMINATIONS. School Certifs. (Jr. and Leaving), Music, and Art of Speech (Elocution).

ADULT MATRICULATION. Persons who have attained the age of 25 yrs. may be admitted as matriculated students in the Faculties of Sci., Agric. and Engin., if the Faculty concerned is satisfied that they possess sufficient educational qualifications. For these Faculties also there is an examination for adult students alternative to the ordinary matriculation examination of the University. In the Faculty of Arts there is a special examination open to persons who have attained the age of 23 yrs.; or to persons who are 18 yrs. and over but have not been full-time day students in a secondary school since reaching the age of 16 yrs. This examination includes an intelligence test, a test in English composition and a test in a prepared subject. No provision for Adult Matriculation is made in the Faculty of Dental Science. However, ex-service students in all faculties, irrespective of age, may be admitted under adult matriculation regulations.

STUDENT ORGANIZATION. The Student organization is known as the Guild of Undergraduates and the student building which forms part of the Hackett Memorial buildings is known as Hackett Hall. The annual subscription to the Guild is £3: 3s., but in first year students pay an extra £1: 1s. registration fee.

PUBLICATIONS. *Calendar*; *Orientation Handbook*; *Public Examn. Manual*; *Black Swan* (Students' Magazine); *Pelican* (Students' newspaper, published fortnightly).

THE YEARS 1946, 1947

NEW BUILDINGS. From the beginning of 1946 a post-war building programme was put into operation. Buildings completed or extended include:

the Univ. Library, Physics and Chem.; Arts: one large lecture room and one smaller lecture room; Zool.; Geol.; Law School; Psychol.; Engineering; Administrative annexe; and other buildings, to a total cost of £100,000. The financing of the building programme was undertaken conjointly by Commonwealth and State Governments. A further sum between £40,000 and £50,000 has been made available for equipment and the Commonwealth has agreed to provide £125,000 towards a Medical School when building is commenced.

EXTRA-MURAL WORK. This work is now under the control of a director and an assistant director. Extension lectures and Adult Education lectures have been given and each year a highly popular Summer School at the Univ. has been organized. In addition, a box scheme for group study by country students has been in operation. Adult Education activities are controlled by a Board, and a feature of its work has lately included organization of orchestral and other concerts, under the title of "Everyman's Music."

RETIREMENT. Prof. G. E. Nicholls (Biol.).

STUDENTS (1947). Full-time, 1214; part-time, 354; external, 136; total, 1704.

Students from the services at present receiving benefits under the Commonwealth Reconstruction Training Scheme number 491.

DEGREES (1946). M.A., 1; B.A., 43; LL.B., 1; M.Sc., 5; B.Sc., 37; B.E., 25; B.Sc. (Engin.), 9; M.Sc. (Agric.), 1; B.Sc. (Agric.), 6; Dip. in Educn., 5; Dip. Com., 1.

CANBERRA UNIVERSITY COLLEGE

Founded 1930

Address—Canberra, A.C.T. Telegrams—Unicol, Canberra.

CHAIRMAN OF THE COUNCIL—SIR ROBERT RANDOLPH GARRAN, G.C.M.G.,
K.C., M.A., LL.D.

REGISTRAR AND SECRETARY TO THE COUNCIL—T. M. OWEN, B.Com.
Melb.

PRINCIPAL—.....

LIBRARIAN—.....

TEACHING STAFF

Economics and Commerce

- Lectr
..... Lectr.
Cameron, B. D., B.Ec Syd.
..... Actg. Lectr.
..... Asst. Lectr.
*Comans, C. K., LL.M. Melb.
(Com. Law) Lectr.
*Cumes, J. W. C., B.A. Lectr.
*†Hewitt, C. L. S., B.Com.
(Accountancy) Lectr.
*King, H. W., M.A., Dip Ed.
(Econ. Geog.) Lectr.
*Jay, W. R. C., B.A., B.Com. Lectr.
*Loomes, A. H., B.A., LL.B.
(Com. Law) Lectr.
*†Owen, T. M., B.Com.
(Accountancy) Lectr.
*Whitelaw, R., B.A., B.Com.
(Econ. of Industry) Lectr.
*White, L., B.A.
(Econ. Hist.) Lectr.
*†Willoughby, J. E., B.Ec.
(Pub. Admin.) Lectr.
*†Wright, H. J., B.Ec.
(Pub. Admin.) Lectr.
*Youngman, D. V., M.A.
(Statistics) Lectr
*Dunlop, D. G., B.Com., Dip. Pub.
Ad. (Accountancy) Tutor.
*O'Donnell, M. W., B.Ec. Tutor.

English

- Allen, L. H., M.A. Syd., Ph.D.
Leipzig Sr. Lectr.
..... Lectr.
*†Ashman, C. J., B.A. Lectr.
*†Bryan, E. R., M.A., Dip.Ed.
Melb. Lectr.

History

- Richmond, N. M., B.A. Ox. and
N.Z. Lectr.
*Hill, J. F., B.A., LL.B.
(British Hist.) Lectr.

Law

- Lectr.
*Davis, O. L., B.A., LL.B.
(Legal Hist.) Lectr.
*Park, C., LL.B.
(Introd. to Legal Method)
Lectr.
*Davies, H., B.Sc. Manc., Dip.
Pub.Ad. Melb.
(Patent Law.) Lectr.
*Wilmot, H. R. (Patent L.) Lectr.

Mathematics

- *Aitken, A. G., M.Sc. Syd. Lectr.

Modern Languages

- Haydon, J. F. M., M.A. Melb.
(French and German) Sr.
Lectr.

* Part-time officer. † Taking part-course only.

.....	Lectr.	<i>Philosophy</i>	
*Halsey, T. H., B.Agr.Sc. Vienna		Gibson, Q. B., B.A. Melb., M A.	
(German) Tutor		Ox.	Lectr.
*Morisset, R. A.		.....	Lectr.
(French) Hon Tutor			
*†Bryan, E. R., M A, Dip.Ed.		<i>Political Science</i>	
Melb.	(French) Lectr.	.....	Lectr.
<i>Pacific Studies</i>		.....	Asst. Lectr.
Moore, T I., B.A. Syd, M A. Ox.		*Foxcroft, E. J. B.	Lectr.
Lectr		*Parker, R. S, M.Ec. Hon	Lectr.

* Part-time officer. † Taking part-course only.

GENERAL INFORMATION

In 1929 the Canberra University College was constituted by an ordinance of the Australian Capital Territory, the Canberra University College Ordinance, "pending the establishment of a teaching University in Canberra." The main function of the University College is to establish courses of lectures for degrees and diplomas in co-operation with one or more of the existing Universities in Australia. Co-operation was obtained with the University of Melbourne and the University passed a temporary regulation which was extended from time to time, and which was amended in May 1947 to read as follows:

"THE CANBERRA UNIVERSITY COLLEGE. (1) Any student taking any subject proper to the Faculties of Arts, Science, Law or Commerce and with the permission of the appropriate Faculty receiving the necessary instruction in such subject at the Canberra University College may upon payment of the following fees be admitted to examination at Canberra upon terms and conditions prescribed by the appropriate Faculty: For each subject, £1: 1s. (2) For the purpose of this Regulation the appropriate Faculty shall enquire into the teaching and facilities for study in any subject proper to it and if considered necessary appoint inspectors to visit the College and report thereon. (3) All teaching appointments proposed by the Council of the College shall be submitted to the Council of the University for its concurrence before the appointments are made. (4) This Temporary Regulation shall remain in force until the 31st December 1948.

The University College is financed by an annual grant by the Commonwealth Government, and fees received from students. The grant totalled in 1947 £17,500.

The Ordinance incorporates a Council of the College, which consists of ten members, nine appointed by the Governor-General on the advice of the Minister for the Interior (of whom two are nominated by the University Association of Canberra), and one being a member of the teaching staff co-opted by the Council. The Chairman of the Council is appointed by the Governor-General from among the members of the Council.

LIBRARY. 4967 vols. 1918 pamphlets.

DEGREE COURSES (of the University of Melbourne). Bachelor of Arts (ordinary); Bachelor of Commerce; Bachelor of Laws.

DIPLOMA COURSES (of the University of Melbourne). Journalism; Commerce; Public Administration.

OTHER COURSES. Diplomatic Studies, open to Cadet Officers of the Dept.

of External Affairs and to a limited number of others who must submit evidence of their capacity to profit by the course.

FEES (other than those charged by the University for matriculation, Examination, etc.). Degree and Diploma Courses, £7: 7s. for each subject. Diplomatic Course, £8. 8s. for each subject.

PUBLICATIONS. *Calendar* (January), 2s.; *Prometheus* (Students' Magazine) (annually), 2s.; Students' Notes, weekly each term; *Commonwealth Literary Fund Lectures*; *Commonwealth Institute of Accountants Research Lecture*.

THE YEARS 1946, 1947

NEW DEPARTMENTS AND POSTS. Principal of the College and Professor, lectureships in English, French, and Law. Assistant lectureships in Economics, History and Political Science.

CHANGES IN REGULATIONS. The Univ. of Melbourne made a regulation enabling status, to be determined in each separate case, to be granted to matriculated persons completing the full course of diplomatic studies conducted by the College.

The Univ. of Melbourne, in May 1947, extended the operation of its regulation affording recognition of the College until 31st December 1948.

RESIGNATIONS. The Rev. Canon W. J. Edwards, B.A., Dip.Ed. Syd., resigned from the Council upon his appointment as Head of the U.N. International Children's Emergency Fund Mission in Greece; Mr. R. S. Parker, Political Science (appointed Research Fellow, Australian National Univ., Canberra); Mr. J. S. G. Wilson, Economics (appointed Lectr. in Economics, London School of Economics); Mr. D. L. Anderson, Economics.

DEATHS. Sir George Knowles, C.B.E., M.A., LL.M. (a member of the Council from 1930-46).

STUDENTS (1947). Full-time: 19; part-time: 285.

DEGREES AND DIPLOMAS (conferred upon or awarded to College students by the University of Melbourne). B.A., 1; LL.B., 1; B.Com., 2; Dip.Com., 3; Dip. Pub. Ad., 4; completed satisfactorily the two-years course in Diplomatic Studies, 7.

UNIVERSITY OF NEW ZEALAND

Founded 1870

Corner Bowen and Mombray Streets, Wellington

Postal Address—P.O. Box 1524, Wellington, C.1.

Telegrams—Aude, Wellington.

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—The Hon. Sir DAVID STANLEY SMITH, D.C.L. Ox., LL.M. N.Z.

PRO-CHANCELLOR—LEONARD JOHN WILD, O.B.E., M.A., B.Sc.

VICE-CHANCELLOR—IAN ALISTAIR GORDON, M.A., Ph.D. Edin., LL.D. Bris.

REGISTRAR—IAN FRASER MCKENZIE, M.A., B.Com.

AGENT IN ENGLAND—THE HIGH COMMISSIONER FOR NEW ZEALAND, 415 The Strand, London, W.C.2.

CONSTITUENT COLLEGES

UNIVERSITY OF OTAGO, DUNEDIN ; CANTERBURY COLLEGE, CHRISTCHURCH ; AUCKLAND UNIVERSITY COLLEGE ; VICTORIA UNIV. COLLEGE, WELLINGTON.

ASSOCIATED COLLEGES

CANTERBURY AGRICULTURAL COLLEGE, LINCOLN ; MASSEY AGRICULTURAL COLLEGE, PALMERSTON NORTH.

The University was founded as a purely examining University in 1870. Its constitution is defined in the N.Z. University Act, 1908, and subsequent amendments. The most important of these later amendments was that of 1926 by which the Univ. was re-established as a federal Univ. consisting of the four constituent University Colleges. Strictly speaking, the two Agricultural Colleges do not form part of the federal structure, but in effect they are constituent Colleges with representation and status similar to that of the four Univ. Colls.

The government of the Univ. is vested in the Senate, advised on academic matters by the Academic Board, which represents the Professorial Boards of the six Colleges, and on Entrance matters and legal education by the Entrance Board and the Council of Legal Education. The Senate consists of a Chancellor, Pro-Chancellor and Vice-Chancellor, 4 members nominated by the Governor-General, 8 appointed by the governing bodies of the University Colleges, 1 by the School of Agriculture, 1 by the Senate, 5 by Convocation, 3 by the Academic Board, the Academic Heads of the constituent Colleges and the Director of Education.

In the early days when only undergraduate work was attempted, the function of the Univ. was largely restrictive. It preserved adequate standards in the small University Colleges by appointing only external examiners from

England. This stage is now past, and the examining, except for the higher degrees, is carried out within the Dominion, and, as the Colleges have grown in size and authority, the complete responsibility for teaching and examining is being transferred to them under a general supervision exercised by Academic Board and Senate. The federal University is now largely concerned with wider problems of the promotion and co-ordination of university education and research and, within recent years, has established a University Press, a Research Fund (at present £10,000 p.a.) and a University Grants Committee. It supervises higher teaching appointments in the Colleges, and the governing bodies of the Colleges cannot make any appointment to a Chair without the prior approval of the Senate. A Professor so appointed becomes a "Professor of the University."

The University owns, in Wellington, University House, which contains its administrative offices and the Senate Room.

MATRICULATION. Candidates must pass in 5 subjects, including English, but two of the subjects are required to be passed only at the standard of the School Certificate of the Education Department of New Zealand. The examn. is held in Dec. Special provision is made for exemption of persons not under 21 years of age and students from other Universities.

EXTERNAL STUDENTS. Provision is made in certain faculties (notably Arts, Comm., and Law) for the admission to degree examns. of students exempted from attendance at a College.

ACADEMIC YEAR. Teaching extends from March to Oct. or Nov., in three terms, Autumn (March-May), Winter (June-Aug.), and Spring (Sept.-Oct. or Nov.).

DEGREE COURSES: 3 yrs.—B.A., B.Sc., B.Mus., B.For.Sc., B.D.; 4 yrs.—B.H.Sc., B.Agr.Sc. (including practical work on farm), B.Arch. (including 18 mos.' practical work), LL.B., B.E. (Mech., Elec., Civ., Mining, Metall., including from 9 to 18 mos. in shops, mines, or surveying), B.Com.; 5 yrs.—B.D.S.; 6 yrs.—M.B., Ch.B., B.Med.Sc.

HIGHER DEGREES. For Masters' degrees, *i.e.*, M.A., M.Sc., M.Com., LL.M., M.H.Sc., M.Agr.Sc., M.Med.Sc., 1 yr. of study beyond the Bachelor's degree is required, with examns. and thesis; for Doctors' degrees (except M.I., Ch.M.), *i.e.*, Litt.D., LL.D., D.Sc., Mus.D., D.D.S., 5 yrs.' standing as Master, and an approved thesis; for M.D., Ch.M., 3 yrs.' standing, with approved thesis and examns.; for Ph.D., 2 yrs.' standing, with approved thesis and examn.

DIPLOMAS, ETC. Public Health (2 yrs. after M.B.); Education (1 yr. after B.A.); Journalism, Banking, Fine Arts (each 3 yrs.). Certificate of Proficiency in Dental Surgery (4 yrs.).

PROFESSIONAL AND TECHNICAL SCHOOLS. *Law, Commerce and Music* at all the Constituent Colleges; *Medicine and Dentistry* and *Home Science* at Otago; *Engineering* (Civil, Elect., and Mech.) at Canterbury and Auckland; *Mining and Metallurgical Engineering* at Otago; *Agric.* at Canterbury and Massey Agric. Colleges; *Architecture* at Auckland; *Fine Arts* at Canterbury; *Public Administration* at Victoria.

"**AD EUNDEM**" **RECOGNITION.** Courses completed, or partially completed, at any British or other approved Univ. are accepted *ad eundem*.

SCHOLARSHIPS FOR GRADUATES. Senior Scholps. in almost every subject of the B.A. or B.Sc. syllabus and in Law, Medicine, Dentistry and Engineering --£90; Travelling Scholps. in Arts, Science, Law, Commerce, Dentistry,

Architecture—£300 (2 yrs.); in Engin. and Med.—£250-£300 (2 yrs.); Macmillan Brown Research Scholp. in Agric. (biennial)—£300 (2 yrs. possible). National Research Scholps., £250 (2 yrs.), are offered annually to graduates of the N.Z. University or other approved persons; also Shirlcliffe Fellowship for Research, £300 p.a. for 2 yrs.; Shirlcliffe Research Scholp., £100 (1 yr.); Shirlcliffe Graduate Bursary, £75 (1 yr.). 2 Carnegie Fellowships in Education. British Council Scholps. Michael Hiatt Baker Scholp. (Univ. of Bristol).

Four first-class return passages to England are granted annually to graduates proceeding to Europe to continue their studies.

PUBLICATIONS. *Calendar* (Oct.), 3s. (incl. postage); *Minutes of Prods. of Senate*, free; *Examn. Papers*, 1s. 6d. or 1s. a set.

THE YEAR 1946

CHANGES IN REGULATIONS. No major changes, but various subject prescriptions were amended.

RETIREMENTS. Sir Thomas Hunter, Vice-Chancellor since 1929, gave notice of his intention to retire from that position at the end of the year.

STUDENTS. Full-time: 4199; part-time: 8218.

DEGREES. B.A., 356; M.A., 102; LL.B., 48; LL.M., 6; B.Sc., 165; M.Sc., 70; B.Agr.Sc., 12; M.Agr.Sc., 5; B.H.Sc., 25; M.H.Sc., 5; M.B., Ch.B., 80; M.D., 2; B.D.S., 10; D.D.S., 1; B.Com., 105; M.Com., 10; B.E., 26; Mus.B., 6; B.Arch., 2.

UNIVERSITY OF OTAGO DUNEDIN

Founded 1871

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—Very Rev. D. C. HERRON, M.A.

PRO-CHANCELLOR—Hon. W. DOWNIE STEWART, LL.B.

VICE-CHANCELLOR—R. S. AITKEN, D.Phil. Ox., M.D., F.R.C.P.

REGISTRAR—H. CHAPMAN, B.A.

LIBRARIAN—W. J. HARRIS, B.A. Ox.

LIBRARIAN MED. SCH.—W. E. LINTON.

TEACHING STAFF

Anatomy

Adams, W. E., Ph.D. Leeds, M.Sc.,
B.Med.Sc., M.B., Ch.B. Prof.
Ellis, A. R., M.B., Ch.B. Lectr.
6 Demrs.

Anthropology

Skinner, H. D., D.C.M., M.A.,
Dip.Anth. Camb., D.Sc.,
F.R.S.N.Z. Lectr.-in-Charge.

Biochemistry

Edson, N. L., B.Med.Sc., M.B.,
Ch.B., Ph.D. Camb., F.N.Z.I.C.
Assoc. Prof.
Wyndham, R. A., B.Sc. Sr. Lectr.
King, M. V. B., M.Sc. Lectr.
McCurdy, Betty J., B.H.Sc.
Asst. Lectr.

Botany

Baylis, G. T. S., M.Sc., Ph.D.
Lond., D.I.C.
Lectr.-in-Charge.
Holdsworth, M., Ph.D. Lond.,
D.I.C., B.Sc. Lectr.

Chemistry

Soper, F. G., Ph.D., D.Sc. Wales,
F.R.I.C., F.N.Z.I.C.
Dean, Fac. of Sci., and Prof.
Carter, C. L., M.Sc. Sr. Lectr.

Slater, S. N., M.Sc., D.Phil. Ox.
Sr. Lectr.

Asst. Lecturers

Corbett, R. E., M.Sc. (on leave).
Murray, J., M.Sc.
Painter, B. S., M.Sc.
Edwards, W. G. H., B.Sc. Lond.
Batt, R. D., M.Sc.
Campbell, A. D., B.Sc. (Temp.).

Classics

Adams, T. D., M.A. Prof.
Turnbull, Mary I., M.A. Sr. Lectr.
Barnett, F. J., M.A. Asst. Lectr.

Commerce, v. also Law

Lecturers

Paterson, J. M., M.C., M.A., LL.B.
Dean, Fac. of Comm.
Satterthwaite, L. McK., B.Com.,
F.P.A.
McIver, L. D., B.Com.
Hanan, F. M., LL.B.
Cowan, T. K., M.Com.

Dentistry, v. *infra*

Economics

Billing, G. C., B.A. Adel., Ph.D.
Lond. Prof.

Bernardelli, H., D.Ph. Frankfurt
Sr. Lectr.
Seymour, Valerie A., M.A.
Asst. Lectr
Blakey, K. A , B.A. Asst. Lectr.

Education

Mitchell, F. W., M.A., B.Sc. Adel.,
Ph D Lond Prof.
Howie, G., M.A., Ed.B. Sr. Lectr.
Calvert, Barbara, M.A., M.H.Sc.
Asst. Lectr
Cassells, D. G. A , B.A.
Asst. Lectr.

English Lang and Lit.

Ramsay, H., M.A. Aberd. Prof.
Cameron, G M., M A Lond. and
N.Z. Sr. Lectr.
Brosnahan, L F., B.A.
Asst. Lectr.

Geography

Garnier, B. J., M.A. Camb
Lectr.-in-Charge.
Greenwood, R. H., M.A. Camb.
Lectr.

Geology

Benson, W. N., B.A. Camb., D.Sc.
Syd., F.R.S., F.G.S. Prof.
Coombs, D. S., B.Sc. Lectr.

Hebrew

Knight, G. A. F., M.A., B.D. Glas
Lectr.

History

Morrell, W. P., M.A., D.Phil. Ox.
Prof.
Ross, A., M.C., M.A. (on leave)
Sr. Lectr.
Olssen, E. A., B.A. Adel., M.A.
(Polit. Sci.) Lectr.
Huehns, Gertrude, B.A., Ph.D.
Lond. Asst. Lectr.
Crowley, D. W., M.A. Asst. Lectr.

Home Science

Gregory, Eliz., M.H.Sc., Ph.D.
Lond., F.N.Z.I.C.
Dean and Prof.

Bowbyes, Avice M., A.M., B.S.
Columbia, Dip.H.Sc. (Clothing)
Sr. Lectr
MacGibbon, C H., M.Sc. Chicago,
B.H.Sc (Foods and Inst.
Management) Sr Lectr.
Thomson, Helen M. S., Ph D.
Lond., M.H.Sc. (Chem)
Sr Lectr.
Jackson, Phyllis, R., M.H.Sc.,
Dip.Ed. (Princ. of Teaching)
Sr. Lectr.
Naylor, Ellen O., M S Iowa,
B.H.Sc. (Foods) Lectr.
Gray, Eleanor M., B.H.Sc. (Foods)
Lectr.
Bedell, Florence J., A B Kansas,
M.A. Colorado (Clothing)
(Temp.) Lectr.
6 Assts.

Law

Lecturers
Lang, J., M.A., LL B. (Const.
Hist.).
Stephens, A. C., LL.M. (Jurispr.)
Dean, Fac. of Law.
Paterson, J. M., M.C., M.A., LL B.
(Comp L. and Bankruptcy).
Neill, A. G. (Crim. Law).
Anderson, P. S., B.A., LL.B. (Pro-
perty L.).
Fairmaid, R. L. (Conveyancing).
White, C. J. L. (Evidence).
Haggitt, A. N., LL.B. (Rom. Law)
Barrowclough, C B., B.A., LL.B.
(Conflict of Laws).
Curzon-Siggers, W. A., LL.M.
Camb., M.A. (Pub. Intern. L).
Thomson, J. B., LL.B. (Contracts).
Ward, J. P. (Practice and Proc.).
Hanan, F. M., LL.M. (Torts).
Nevill, P. H. W., LL.B. (Trusts,
etc.).

Mathematics, Pure and Applied

Gabriel, R. M., M.A. Camb. Prof.
Orton, A. A., M.A., M Sc. W. Aust
(Appd. M) Sr. Lectr.
Silverstone, H , M.A., Ph.D. Edin.
Lectr.

Mining and Metallurgy

Williams, G. J., Ph.D. Lond.,
M.Sc., B.E., D.I.C.

Dir., Sch. of Mines, Dean
and Prof.

Muir, H., B.Met E. Melb. (Metall.)
Sr. Lectr.

Batham, G. S., B.Sc. (Appd. Elect.)
Pt-time Lectr.

Buchanan, D. E. (Appd. Me-
chanics) Lectr.

Rogers, J., M.Sc. (Min. Dressing)
Res. Lectr.

Mackie, J. B., M.Sc., B.E. (Surv.)
Lectr.

Modern Languages

Silver, R. C., M.A. Glas., L. ès L.
Paris Prof.

Barron, Vida M., M.A. Sr. Lectr.
Grayeff, F., Ph.D. Freiburg

Asst. Lectr.

Music

Galway, V. E., Mus D. Melb
Dean, Fac. Arts and

Music, Prof.

Martin, Mary A., Mus B.
Asst. Lectr.

Philosophy and Psychology

Raphael, D. D., M.A., D. Phil. Ox.
Prof.

Grey, D. R., M.A. Ox. Lectr.

Thornton, Rev. H., M.A. Edin.
Lectr.

Guest, F. W., M.A., LL.M.
Pt-time Lectr.

Monro, D. H., M.A. Asst. Lectr.
Giles, Betty, M.A. Camb.

Asst. Lectr.

Physics

Nimmo, R. R., Ph.D. Camb., M.Sc.,
F.I.P. Prof.

Focken, C. M., B.M.E., B.Sc.
Melb, D.Phil. Ox., M.S. Col.,
F.Inst.P. Sr. Lectr.

Blackie, Agnes R., M.Sc. Lectr.

Coombs, J. S., M.Sc. Lectr.

Symmons, H. F., B.Sc. Brist.
Asst. Lectr.

Hodgson, E. R., M.Sc. Asst. Lectr.

Physiology

Eccles, J. C., M.B., B.S. Melb.
M.A., D.Phil. Ox., F.R.A.C.P.

F.R.S. Prof.

Malcolm, J. L., M.B., Ch.B.
B.Med.Sc. Lectr.

MacFarlane, W. V., M.A., M.B.
Ch.B. Lectr.

Collin, R., M.Sc., M.B., Ch.B.
Asst. Lectr.

Fillenz, Marianne, B.Med.Sc.
Asst. Lectr.

Zoology

Marples, B. J., M.A. Ox., M.Sc.
Manc Prof.

Fyfe, Marion L., M.Sc. Sr. Lectr.

Brewin, Beryl, M.Sc. Lectr.

Richdale, L. E., M.A.

Hon. Lectr.

Gurr, L., M.Sc. Asst. Lectr.

Medicine

(for subjects of the first 2 yrs.—
Anat., etc., v. *supra*)

Anæsthetics

Whyte, Marion K. B., M.B., Ch.B.
Lectr.

Asst. Lecturers

Ritchie, J. R., M.B., Ch.B.

Borrie, A. W. H., M.B., Ch.B.

Williams, H. E. M., M.B., Ch.B.

Loudon, P. C., M.B., Ch.B.

Bacteriology, v. also Hyg. and Prev. Med.

Hercus, Sir Charles E., D.S.O.,
O.B.E., M.D., B.D.S., D.P.H.,
F.R.A.C.P., F.R.A.C.S.

Dean, Fac. of Med., Prof.

Watt, M. N., M.B., Ch.B. Lectr.

Marples, Mary J., B.A. Ox., M.B.,
Ch.B. Asst. Lectr.

Ear, Nose, and Throat

Rutherford, I. M., M.B., Ch.B.,
F.R.C.S.Ed., D.L.O.

Clin. Lectr.

Wardale, A., M.D., F.R.C.S.
Lectr.

Gynæcology and Obstetrics

Dawson, J. B., M.D., B.S. Lond.,
F.R.C.S., F.R.C.O.G. Prof.
Fitzgerald, G. P., M.B., Ch.B.,
F.R.C.O.G. (Gynæc.) Tutor.
Perry, A., M.B., Ch.B., F.R.C.S.
Ed. (Obstet.) Tutor.
North, N. H., M.B., Ch.B.
(Obstet.) Tutor
Stewart, Marion, M.B. (Obstet.)
Tutor.

Hygiene and Preventive Medicine

Hercus, Sir Charles E., D.S.O.,
O.B.E., M.D., B.D.S., D.P.H.,
F.R.A.C.P., F.R.A.C.S. Prof.
Douglas, A. M., M.B., Ch.B.
Lectr.
Murphy, W., B.B., Ch.B.
Asst. Lectr.

Medical Jurisprudence

D'Ath, E. F., M.B., Ch.B. Prof.

Medicine

Smirk, F. H., M.D. Manc.,
F.R.C.P., F.R.A.C.P. Prof.
Iverach, J. A. D., M.C., B.A.,
M.B., Ch.B., F.R.C.P.Ed.,
F.R.A.C.P. Lectr.
Kirk, G. R., O.B.E., M.B., Ch.B.
Lectr.
McGeorge, M., M.D.
(Pædiatrics) Lectr.
Brown, M., M.B., Ch.B. Glas.
(Ment. Dis.) Lectr.
Palmer, H., M.D., D.P.M. Manc.
(Psychol. Med.) Lectr.
Thompson, B. C., M.A., M.D.
Camb. (Tuberculosis) Lectr.

Sr. Medical Officers

Alstad, K. S., B.Sc., M.B., Ch.B.,
D.P.H., M.D.
Chapman, O. W., M.B., Ch.B.

Jr. Medical Officers

Antonoff-Lewis, L. S., M.B., Ch.B.

Hall, G. F., M.B., Ch.B.
Woodhouse, F. B., M.B., Ch.B.
Black, H., M.B., Ch.B.

Ophthalmology

Wilson, R. P., M.B., Ch.B., B.Sc.
Edin., F.R.C.S.Ed. Lectr.

Pathology

D'Ath, E. F., M.B., Ch.B. Prof.
Alexander, W. S., M.B., Ch.B.
Lectr.

Asst. Lecturers

Markham, N. P., B.Sc., M.B., Ch.B.
Trezise, W. J., B.Sc., M.B., Ch.B.
Rodda, R. A., M.B., Ch.B.
Boyd, J. A. M., B.Com., M.B.,
Ch.B.

Radiology

Sowerby, W., M.D., F.R.C.S.Ed.,
F.F.R., D.M.R.E. Camb.
Lectr.
Begg, A. C., M.B., Ch.B. Lectr.
Jerram, C. W. S., M.B., Ch.B.
Lectr.

Stomatology

Walsh, J. P., M.B., B.S., B.D.Sc.
Melb. Prof.

Surgery

Bell, F. G., M.D. Edin., F.R.C.S.
Ralph Barnett Prof.

Lecturers

White, J. R., M.B., Ch.M., F.R.C.S.,
F.R.A.C.S. (Orthop. S.).
Falconer, M. A., M.B., Ch.M.,
F.R.C.S. (Neurol. S.).
Sutherland, A. W., M.B., Ch.B.
Res. Surg. Offr.
Reid, D. R. K., M.D. St. And.,
F.R.C.S.Ed. Res. Surg. Offr.
Alldred, A. J., M.B., Ch.B.

Orthop. Registrar.

Wilson, S. L., M.B., Ch.B.,
F.R.C.S. Asst. Lectr.

Surgery, Clinical

Jenkins, J. A., M.B., Ch.M.,
F.R.C.S., F.R.A.C.S. Lectr.

Fulton, R. A. H., M.B., Ch.M.,
F.R.C.S.

Asst. Lecturers

Greenslade, C. M., M.B., Ch.B.,
F.R.C.S.

Speight, N. C., M.B., Ch.B.,
F.R.C.S.Ed.

Fitzgerald, H. W., M.B., Ch.B.,
F.R.C.S.Ed.

Dentistry

Walsh, J. P., M.B., B.S., B.D.Sc.
Melb.

Dir. of Sch., Dean and Prof.

Rout, O. E., B.D.S. Sr. Lectr.

Craddock, F. W., B.A., Cert. Dent.
Sr. Lectr.

Gresham, A. H., B.D.S. Sr. Lectr.

Shroff, F. R., D.D.S. Sr. Lectr.

Leslie, G. H., B.D.S. Sr. Lectr.

Chirnside, I. M., B.D.S. Lectr.

Cunningham, W. M., B.D.S.,
D.D.S. Tor. Lectr.

Johnston, J. W., B.D.S. Lectr.

McLean, F. G., B.D.S. Lectr.

Smart, R. S., B.D.S. Asst Lectr.

McLean, A. C., B.D.S. D. Surgeon.

Physical Education

Smithells, P. A., M.A. Camb.,

F.P.E. Director.

Robertson, P. F. Lectr.

Bellwood, Emile Asst Lectr.

Theology

Henderson, J., M.A., Ph.D. Edin.

Dean of Fac. and Lectr.

Allan, J. A., M.A., D.D. Edin.

Lectr.

Whitehead, L. G., M.A. Lectr.

Haddon, A. L., M.A. Melb. Lectr.

Knight, G. A. F., M.A., B.D. Glas.

Lectr.

Adult Education

Director—Hall, D. O. W., M.A.

Home Science Extension, 1 Tutor.

GENERAL INFORMATION

Founded by Ordinance of the Provincial Council in 1869 with power to grant degrees in Arts, Medicine, and Law, the Univ. was opened in 1871. The Law School originated in 1873, the Medical in 1874, the School of Mines in 1878, the Dental School in 1907, the Accountancy Lectures and the Home Science Dept. in 1911, the School of Physical Educn. in 1948. Between 1869 and 1877 the Univ. received grants of land exceeding 220,000 acres. It is entirely unconnected with any religious denomination. It receives annual Government grants of approximately £71,697.

By an agreement effected in 1874 the Univ. agreed to hold in abeyance its power of granting degrees, and to become affiliated to the Univ. of N.Z.

LIBRARIES. Main Library, including Departml. Libraries, 90,000 vols.; Med. Library, 19,183 vols.; also the Hocken collection of pamphlets and MSS. bearing on the History of N.Z. **MUSEUMS:** Biol., Ethnog., Geol., Anat., Path. **LABORATORIES:** Phys., Chem., Physiol., Bact., Path.

FACULTIES. Arts, Science, Music, Medicine, Dentistry, Mining, Law, Commerce, Home Science and Theology.

COURSES. Degree courses in all Faculties (v.p. 734). Associateship of Otago School of Mines (A.O.S.M.), 4 yrs. Associateship in Home Science, 3 yrs. Diploma of Mining, Metallurgy, Geology or Land and Mine Surveyor, 2 yrs. Diploma in Public Health, open to registered medical practitioners of 2 yrs.' standing.

CLASS FEES. Arts (3 yrs.) about £55 (M.A., £9:9s. additional); Science (3 yrs.) about £70 (M.Sc., £12:12s. additional); Law (4 yrs.) about £85;

Commerce (4 yrs.) about £50. (The exact fees for the preceding courses vary in accordance with the choice of subjects.) Mining (4 yrs.), £136 : 15s. ; Home Science (4 yrs.), £130 : 6s. ; Medicine (6 yrs.) about £220, exclusive of Univ. fees, £37 : 16s. Dentistry (5 yrs.), £180, exclusive of Univ. fees, £24.

RESEARCH SCHOLARSHIPS, ETC. Edmond Industrial (Chemical) Research, £200, tenable 2 yrs. ; Smeaton Research in Experimental Science, £60 for first year and £200 for second. The first is open to any person domiciled in N.Z., the second to graduates of Otago. Ross (Knox College), £150, 2 yrs. ; Sir R. Stout (Economics), £50 ; and Anna P. Stout (Economics and History and Home Science—women), £50 ; all open to graduates of Otago. **OTHER RESEARCH FUNDS :** Roberts, Sir Lindo Ferguson, and Barnett endowments, slightly exceeding £2000 each for research in med. and surg. ; Sir Thomas Hunter Res. Fund in Dentistry, £11,000.

HOSTELS. Presbyterian for men and women ; Anglican for men ; Home Science students'. Cost of board and lodging, 37s. 6d. to £2 : 10s a week.

UNIV. EXTENSION. Since 1916, classes in connexion with the W.E.A. in Dunedin and Invercargill have met with very great success.

EXTRA-MURAL WORK. The Home Economics Extension work is carried on under an association known as the A.C.E. (Association for Country Education).

THE YEAR 1947

BENEFACTIONS. Sir Thomas Anderson Hunter, gift of approx. £11,000 for Dental Research ; N.Z. Dental Assocn., £1000 for Dental Research.

NEW BUILDINGS. New Medical School buildings, erected at a cost of over £350,000, opened early in 1948.

NEW DEPARTMENT. A School of Physical Education has been established.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Dr C. McC. Brooks, Johns Hopkins Univ., spent his year of Sabbatical leave working in the Physiology Laboratory.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. E. F. D'Ath and Dr. W. E. Adams visited Melbourne, where they acted as External Examiners in Pathology and Anatomy respectively ; Dr. F. G. Soper lectured at Canterbury College.

RETIREMENTS. Prof. R. J. T. Bell (Maths.) and Prof. R. Jack (Physics).

RESIGNATION. Dr. C. O. Hutton, apptd. Prof. of Petrology at Stanford Univ., California.

DEATH. Sir H. Lindo Ferguson, Emeritus Prof. of Ophthalmol. and previously Dean of Medical Faculty.

STUDENTS. Total : 2411 ; full-time : 1713 ; part-time : 698 ; the total includes 578 women and 150 postgraduates.

DEGREES OBTAINED. B.A., 64 ; M.A., 20 ; LL.B., 6 ; LL.M., 1 ; B.Sc., 33 ; M.Sc., 12 ; Mus.B., 1 ; M.B., Ch.B., 79 ; M.D., 3 ; B.Med.Sc., 5 ; M.Med.Sc., 1 ; B.D.S., 9 ; D.D.S., 1 ; B.E., 6 ; B.H.Sc., 24 ; M.H.Sc., 4 ; B.Com., 14 ; M.Com., 2.

CANTERBURY UNIVERSITY COLLEGE CHRISTCHURCH

Founded 1873

VISITOR—THE MINISTER OF EDUCATION.

CHAIRMAN OF COUNCIL—W. C. COLEE, M.A.

RECTOR—H. R. HULME, M.A., Ph.D. Camb.

REGISTRAR—C. C. KEMP, A.R.A.N.Z., F.C.S. N.Z.

LIBRARIAN—C. W. COLLINS, M.A., F.L.A.

TEACHING STAFF

Accountancy

Holland, C. C., F.P.A.N.Z.,
F.I.A.N.Z.

Hd. of Dept. and Lectr.

Part-time Assistants

Perkins, C. H., B.Com.

Lake, H. R., B.Com.

Hargreaves, J. M., B.Com.

Burt, J. K.

Battersby, G. B.

Jameson, K. S., B.Com.

Clothier, W. E.

Glynn, J. W.

Art

Lovell-Smith, C. S., Dip. F.A.

Lectr. & Director Sch. of Art.

Biology

Percival, E., B.Sc. Leeds Prof.

Foweraker, C. E., M.A., F.L.S.

(Bot.) Sr. Lectr.

Nurse, Frances R. B., M.Sc. (Zool.)

Lectr.

Parry, Gwyneth D. Jr. Lectr.

Pilgrim, R. L. C., B.Sc. Jr. Lectr.

Mayer, Margaret, D.Sc. Jr. Lectr.

Botany, v. Biology

Chemistry

Packer, J., M.Sc. Melb., D.I.C.

Prof.

Parton, H. N., Ph.D. Lond., M.Sc.

Assoc. Prof.

Siemon, S. R., B.Sc., M.App.Sc.

Q'ld. (Appl. Chem.) Sr. Lectr.

McIlroy, R. J., Ph.D. Birm., M.Sc.

Sr. Lectr.

Wilkins, C. J., Ph.D. Lond., M.Sc.

Sr. Lectr.

England, B. D., M.Sc. (on leave)

Jr. Lectr.

McGlashan, M. L., M.Sc.

Jr. Lectr.

Classics

Pocock, L. G., M.C., M.A. Lond.

Dean, Fac. Arts, Prof.

Broadhead, H. D., M.A. Camb.,

Litt.D. Sr. Lectr.

Steven, Marion K., M.A., M.B.,

Ch.B. (on leave) Jr. Lectr.

Commercial Law

Pt.-time Assistants

Cuthbert, R. A., B.A., LL.B.

McMenamin, K. J., LL.B.

Drake, B. J., B.A., LL.M.

Wicks, J. A., LL.M.

Economics

Tocker, A. H., M.A.

Dean, Fac. Com., Prof.

Danks, A. J., M.A. Sr. Lectr.

Rosenberg, W., M.Com. Lectr.

Miller, G. M., B.A. Lectr.

Education

[Prof.]

Field, H. E., Ph.D. Lond., M.A.

Winterbourn, R., Ph.D. Lond.,
M.A. Sr. Lectr.

Ford, C. T., B.A. Lectr.

Lawrence, P. J., B.A. Jr. Lectr.

Engineering, v. infra

English Lang. and Lit.

Sinclair, F., M.A. Prof.

Rhodes, H. W., M.A. Melb.

Sr. Lectr.

Stockwell, A. W., M.A., B.Sc.

Lectr.

Baigent, L. A., M.A.

Lectr.

Forestry

Foweraker, C. E., M.A., F.L.S.

Lectr.-in-Charge.

Geography

Jobberns, G., M.A., D.Sc.

Dean, Fac. Soc. Sci., Prof.

Buchanan, R. O., Ph.D. Lond.,

M.A. Visiting Lectr.

Packard, W. P., M.A. Jr. Lectr.

Geology

Allan, R. S., D.Sc., Ph.D. Camb.,

F.R.S.N.Z., F.G.S.

Dean, Fac. Sci., Prof.

Gage, M., M.Sc.

Sr. Lectr.

History and Political Science

Hight, Sir James, K.B.E., C.M.G.,

M.A., Litt.D. Prof.

Candy, Alice M. F., M.A.

Sr. Lectr.

Phillips, N., M.A.

Sr. Lectr.

Pocock, J. G. A., M.A. Jr. Lectr.

Journalism

.....

Law

Gee, L. W., LL.M. (Conveyancing
and Roman L.)

Hd. of Dept. and Lectr.

Assistants

Brassington, A. C., LL.B. (Inter-
nat. and Constitutional L.).

Champion, E. C., M.A., LL.M.
(Trusts).

Drake, B. J., B.A., LL.M. (Juris-
prud.).

Gough, K. A., LL.B. (Conflict of
Laws).

Haslam, A. L., D.Phil., B.C.L. Ox.,
LL.M. (Torts, Crimin. L. and
Evid.).

Hensley, L. G., LL.B. (Comp. L.
and L. of Bankruptcy).

Thompson, R. P., LL.B. (Pro-
cedure).

Wills, E. P., B.A., LL.M., M.Com.
(Property and Contracts).

Mathematics

Saddler, W., M.A., D.Sc. St. And.,
B.A. Camb., F.R.S.Ed. Prof.

Darwin, L. J., M.A. Adel.

Sr. Lectr.

Andress, W. R., B.A. Camb., B.Sc.
Manc.

Sr. Lectr.

Modern Languages

Malthus, C., M.A., Litt.D. Prof.

White, J. F. D., B.A., M.Sc.
(French) Sr. Lectr.

Bell, N. M., M.A., B.D.

Pt.-time Asst.

Troup, G. S., M.A. Pt.-time Asst.

Music

Griffiths, V., M.A., Mus.B. Camb.,
Mus.D. Dean, Prof.

Neale, Clare I., Mus.B., F.T.C.L.

Lectr.

Ritchie, J., Mus.B. Jr. Lectr.

Philosophy

Sutherland, I. L. G., Ph.D. Glas.,
M.A. Prof.

Crowther, A., B.A., Ph.D. Camb.

Sr. Lectr.

Prior, A. N., M.A.

Lectr.

Thompson, R. H. T., M.A.

Jr. Lectr.

Physics

Chalklin, F. C., D.Sc., Ph.D. Lond.

Macleod, D. B., M.A., D.Sc.,
F.R.S.N.Z. Assoc. Prof.

Tarrant, G. T. P., M.A. Camb.,
Ph.D. Sr. Lectr.

Ellyett, C. D., M.Sc. (on leave)

Lectr.

Roth, W., B.A.	Lectr.	<i>Electrical</i>	
Gregory, J. B., B.Sc.	Jr Asst	MacElwee, N M, B Sc	Prof.
Chalklin, Letitia P., Ph.D., B.Sc.		Pollard, T. R.	Sr. Lectr.
	Pt.-time Asst.	Neale, R. D., B E	Sr Lectr.
		Wright, W S, B.E.	Lectr.
		Withers, B T.	Lectr.
		Cockburn, K.	Jr Lectr.
<i>Civil</i>			
Calvert, G. G.		<i>Mechanical</i>	[Prof.
	Dean of Fac and Prof.	Rastrick, R. J. W, B E. (Mech)	
Alley, P. J, B E.	Sr. Lectr.	Hewitt, N. E, B E. (Mech.)	
Dunn, P. H., M.Eng	Liv		Sr Lectr.
		Adams, H, M.A.	Sr Lectr.
Massey, P C, B E.	Lectr.	Allfrey, M. A A., M A. Camb.	Lectr.
Owen, B. T. W.	Lectr.	Lush, A., B E.	Lectr.
Gilmour, P. M., B E	Jr Lectr.	Simpson, A. H., B E.	Lectr.
Jones, M. L	Jr Lectr	Roper, F. A.	Jr. Lectr.

GENERAL INFORMATION

Created by Provincial Ordinance, 1873, and affiliated to the Univ of N.Z., 1874. Value of lands, buildings, equipment, etc., over £1,015,000, including £507,376 for the High Schools, School of Art, Museum, and Public Library controlled by the Council. Annual Govt. subsidies and grants, £30,680 for College. The *Rector* is the academic head of the College and the permanent Chairman of the Professorial Board. LABORATORIES: Biol., Chem., Engin., Phys., Educational Psychology.

DEGREE COURSES in Arts, Science, Law, Mus., Com. and Engin., and Certif. or Diploma courses in Journalism, Education, Banking and Fine Arts (v. also p. 734). Evening courses in Com.

INCLUSIVE ANNUAL CLASS FEES. Arts, about £22; Science, about £30; Law and Commerce, about £15; Laboratory Research, 8 gs.

HOSTELS. Rolleston House (men) and Helen Connon Hall (women); weekly charge, £2 : 7 : 6 and £2 : 5s. respectively.

SCHOLARSHIPS include one of £50 for one yr., open to students in their 3rd yr.; one of £50 annually, tenable for 3 yrs., to entrants; one of £50 for 2 yrs. for students not yet eligible for final section of B.A.; 4 of £50 for 3 yrs. for residents in the four Univ. districts of N.Z.; one of £90 for 4 yrs. to a pupil of Nelson Boys' Coll. for the B.Sc. and M.Sc. degrees; 2 of £25 or £45 for 3 yrs.; one of £50 for research in Science, open to graduates, renewable up to 3 yrs.; one of £150 in Engineering, open to B.E., tenable outside N.Z.; one (Hartley) for women graduates, offered every third year, £300 p.a. for 3 yrs., tenable ordinarily at Oxford, Cambridge, or London; Lord Rutherford Memorial Research Fellowship, offered every second yr., £475 p.a.; Sims Empire Scholp., offered every second yr., £345 p.a. There is a Students' Loan Fund of £1000 and Dr. A. F. J. Mickle Students' Loan Fund of £1700.

PUBLICATIONS. *Calendar and Commemoration Day Address* (March). Annual Statement of the Chairman (June). *Canta*, 26 issues a year, subscription 2s. 6d. *Review*, annual (Oct). *Annual Report, Trans. of Coll. Engineering Soc.*, 2s. 6d.

THE YEAR 1946

DEGREES OBTAINED. B.A., 72; M.A., 23; B.Com., 11; B.E., 9; LL.B., 5; LL.M., 1; B.Sc., 27; M.Sc., 11; Mus.B., 6.

AUCKLAND UNIVERSITY COLLEGE

Founded 1882

VISITOR—THE HONOURABLE THE MINISTER OF EDUCATION.

PRESIDENT OF COUNCIL—W. H. COCKER, M.A., LL.B. Camb., B.A., LL.B.

VICE-PRESIDENT OF COUNCIL—A. H. JOHNSTONE, O.B.E., K.C., B.A., LL.B.

REGISTRAR—L. O. DESBOROUGH, B.Com.

LIBRARIAN—F. A. SANDALL, B.A., F.L.A.

TEACHING STAFF

Accountancy and Commercial Law

Holt, L. W., M.Com., F.R.A.N.Z.

Lectr.-in-Charge.

Johnston, T. R., LL.M., B.Com.

Lectr.

Kay, R. M., B.Com., F.R.A.N.Z.

Lectr.

Leys, W. C. S., M.A., LL.B.

Lectr.

Horrocks, J., B.A., B.Com.

Lectr.

Cox, R. D., B.A., B.Com.

Lectr.

Architecture

Knight, C. R., B.Arch., M.A. Liv.

Dean, Fac. of Arch., Prof.

Light, A. C., B.A. Lond.,

F.R.I.B.A. (Design) Prof.

Crookes, S. I., Jr., B.A.

Assoc. Prof.

Toy, R. H., B.Arch.

Lectr.

Marshall, A. C., B.Arch.

Lectr.

Brown, V. A.

Lectr.

Ferriday, E. G., B.Sc. (Eng.)

Lectr.

Birm.

Turkington, J.

Art Instr.

Botany

Chapman, V. J., Ph.D. Camb.

Dean, Fac. of Sci., Prof.

Millener, L. H., M.Sc. (on leave)

Lectr.

Godley, E. J., M.Sc. (Genetics)

Lectr.

Sutherland, G. K., C.B.E., M.A.,

D.Sc. Aberd. Temp. Lectr.

de Berg, Ruth F., B.Sc. Demr

Chemistry

Llewellyn, F. J., B.Sc., Ph.D.

Birm., F.R.I.C. Prof.

Briggs, L. H., D.Phil. Ox., D.Sc.,

F.N.Z.I.C., F.R.S.N.Z.

Assoc. Prof.

Bloom, H., M.Sc. Melb., Ph.D.,

D.I.C. Lond. Lectr.

Odell, A. L., M.Sc. Lectr.

Holmes, J. H., M.Sc. Temp. Lectr.

Classics

Blaiklock, E. M., M.A., Litt.D.

Prof

..... Sr. Lectr.

Crawley, L. W. A., B.A. Camb.,

M.A. Lectr.

Economics

Simkin, C. G. F., M.A., Dip.Soc.Sc.

(on leave)

Dean, Fac. of Comm., Prof.

Rodwell, H. R., M.A., Dip.Soc.Sc.

Assoc. Prof

Fisher, M. R., B.A. Lectr.

Education

Fitt, A. B., Ph.D. Leip., M.A.

Dean, Fac. of Educ., Prof.

Cumming, I., B.A., M.Ed. Melb.
Sr. Lectr.
Hare, W. B., M.A., Dip Ed. Lectr.
Rogers, C. A., M.A., Dip.Ed. Lectr.

Engineering

Leech, T. D. J., B.Sc., B.E. (Civ.)
Syd.
Dean, Fac. of Engineer-
ing, Prof.
Dawson, C. (Elect. E.) Sr. Lectr
McLaren, E. J. R. (Civ E)
Lectr.-Demr.
Jebson, W. N. (Mech. E.)
Lectr.-Demr.
Wallace, H. E., B.E., B.Sc. Lectr.

English Language and Lit.

Musgrove, S., M.A., D.Phil. Ox.
Prof.
McCormick, E. H., M.A., M.Litt.
Camb., Dip.Ed. Sr. Lectr
Sheppard, Elizabeth A., M.A.,
Ph.D. Lond. Sr. Lectr
Joseph, M. K., B.A., B.Litt. Ox.
Lectr.

Geography

Cumberland, K. B., M.A. Lond.,
D.Sc. Lectr.-in-Charge.
Lister, R. G., B.A. Lond. Lectr.
Fox, J. W., B.A. Lond. Lectr.

Geology

Bartrum, J. A., M.Sc., F.R.S.N.Z.,
F.G.S., F.Am.G.S. Prof.
Laws, C. R., D.Sc. Sr. Lectr.
Searle, E. J., M.Sc. Demr.

Hebrew

..... Lectr.

History

Rutherford, J., M.A. Durh., Ph.D.
Mich. Prof.
Airey, W. T. G., B.A. Ox., M.A.
Sr. Lectr.
Sinclair, K., M.A. Lectr.
Hargreaves, Margaret, M.A.
Lectr.
Goodman, R. D. M., B.A.
Temp. Lectr.

Journalism

Burton, E. A., Dip Journ. Lectr.

Law

Davis, A. G., LL.D. Lond., LL.B.
Dean, Fac. of Law, Prof.
Henderson, E. W., LL.M. Sr. Lectr.
Lecturers
McCarthy, F., LL.M.
Fortune, W.
Vautier, M. H., LL.M.
Hanna, G. P. H., LL.M.

Mathematics

Forder, H. G., M.A. Camb. Prof.
Hookings, G. A., M.Sc. Sr. Lectr.
Segedin, C. M., M.Sc. Lectr.
Tills, A. W., M.Sc. Lectr.

Modern Languages

Keys, A. C., D.U.P., M.A. Prof.
West, A. W. H., D.U.P., M.A.
Sr. Lectr.
Asher, J. A., Ph.D. Basle, M.A.
Lectr.

Music

Hollinrake, H., M.A., Mus.Bac.
Camb.
Dean, Fac. of Music, Prof.
Rive, T. N., Mus.Bac. Lectr.
Nalden, C., Mus.B. Durh., Mus.D.
Lond. Lectr.

Philosophy

Anderson, W., M.A. Glas. Prof.
Anschutz, R. P., Ph.D. Edin.,
M.A. Sr. Lectr.
Pfaum, K. B., M.A. St. And.,
B.Litt. Ox. Lectr.
Laird, J., M.A. Temp. Lectr.

Physics

Burbidge, P. W., B.A. Camb.,
M.Sc. Prof.
Brown, D., Ph.D. Brist.
Assoc. Prof.
Kreielsheimer, K. S., D.Ing. Darm-
stadt, F.I.P. Sr. Lectr.
Sagar, F. H., M.Sc. (on leave) Lectr.

Mawson, D. G., M.Sc

Temp. Lectr.

Adult Education

Martin Smith, P., M.A., LL.B.,
Dip.Ed. Director

Zoology

McGregor, W. R., B.Sc.

Hd. of Dept., Lectr.

Tutor-Organisers

Lee, M. G., M.A.

Paterson, Nellie F., Ph D. Camb.,
D.Sc. Witw Sr. Lectr.

Smith, Elizabeth M., M.A.

McMillan, Sheila G., B.H.Sc.,
Dip.Ed.

Stephenson, N. G., M.Sc (on leave)
Lectr.

McDougall, J. F., B.A.

Jensen, O.

Segar, Evelyn C. M., B.Sc. Demr.

Rutherford, D. W., M.A.

GENERAL INFORMATION

Established by Act of the N.Z. Legislature in 1882, the College was affiliated to the Univ. of N.Z. in 1883. It received in 1885 an endowment of 30,000 acres of land, of which one-third was sold in 1915 for £10,246. During 1938 it received grants from the Govt. totalling £25,200.

Of the 16 members of the College Council 3 are appointed by the Governor, 2 by the Prof. Board, 1 by local bodies, 4 are elected by the graduates, 3 by the Auckland members of the General Assembly, 1 by the Education Bd., 1 by Lecturers of the Coll., and 1 by Students. Legislation was passed in 1923 permitting of the appointment of a Principal to the College.

COURSES are provided for the degrees of the Univ. in Arts, Science, Architecture, Law, Music, Commerce and Engineering, and for the Journalism Diploma.

FEES. The approx. inclusive fees are as follows : Arts, £50 ; Science, £68 ; Law, £80 ; Commerce, £50.

PUBLICATION. *Calendar* (Feb.).

THE YEARS 1946, 1947

RESIGNATIONS. Prof. C. G. Cooper (Classics), on appt. to Univ. of Queensland ; Dr. R. A. Robinson (Chem.), on appt. to Courtauld Inst. of Biochem., Middlesex Hospl., England.

EXTRA-MURAL WORK (1947). 549 students.

STUDENTS (1947) : 2812.

DEGREES OBTAINED. B.A., 116 ; M.A., 28 ; B.Sc., 50 ; M.Sc., 19 ; LL.B., 18 ; LL.M., 2 ; B.Com., 31 ; M.Com., 1 ; Mus.Bac., 2 ; B.Arch., 3 ; B.E., 3 ; Dip. in Arch., 2 ; Dip.Ed., 13 ; Dip.Mus., 1 ; Dip.Journ., 3 ; Dip. in Banking, 3.

VICTORIA UNIVERSITY COLLEGE WELLINGTON

Founded 1897

Address—Kelburn Parade, Wellington, C.I.

VISITOR—THE MINISTER OF EDUCATION.

CHAIRMAN OF COUNCIL—T. D. M. STOUT, C.B.E., D.S.O., Ch.M.,
F.R.C.S.

PRINCIPAL—Sir THOMAS HUNTER, K.B.E., M.A., M.Sc.

REGISTRAR—G. G. S. ROBISON, M.A.

LIBRARIAN—H. G. MILLER, M.A.

TEACHING STAFF

Accountancy

Part-time Lecturers

Taylor, D. de P., M.Com. (Book-
keeping).

Rodger, W. G., F.R.A.N.Z. (Book-
keeping and Auditing).

Wild, H. R. C., LL.M. (Acctcy.
Law).

Bradshaw, R. C., B.Com. (Cost
Acctg.).

Simpson, R. S. V., LL.M. (Com-
pany Law).

Botany

Gordon, H. D., B.Sc., Ph.D. Edin.
Prof.

Newman, I. V., M.Sc. Syd., Ph.D.
Lond. Sr. Lectr.

Crawford, Dorothy A., M.Sc.
Jr. Lectr.

Peebles, Marie, B.Sc. Demr.

Chemistry

Robertson, P. W., M.A. Ox. and
N.Z., Ph.D. Leip., M.Sc. Prof.

Monro, A. D., M.Sc. Sr. Lectr.

Metcalfe, W. S., M.Sc., Mus.B.
Sr. Lectr.

Swedlund, B. E., M.Sc. Jr. Lectr.

Caverhill, A. R., M.Sc. Jr. Lectr.

Waters, H. D. C., M.Sc. Jr. Lectr.

Classics

Murray, H. A., M.A. Aberd., B.A.
Camb. Prof.

Dettmann, Denise D. H., B.A.
Syd. and Ox., Dip. Class.

Arch. Camb. Sr. Lectr.
Badian, E., M.A. Jr. Lectr.

Economics

Murphy, B. E., M.A., B.Com.,
LL.B., F.E.S., F.S.S.

Dean and Prof.
Heine, Hilda G., M.A., Ph.D. Berl.

Sr. Lectr.
Shearer, J. O., M.A. Sr. Lectr.

Education

Bailey, C. L., M.A., Dip.Ed.
Dean and Prof.

Fieldhouse, A. E., Ph.D. Lond.,
M.A., Dip.Ed. Sr. Lectr.

Somerset, H. D. C., M.A., Dip.Ed.
Sr. Lectr.

Odell, Betty F., M.A., Dip.Ed.
Jr. Lectr.

English Language and Lit.

Gordon, I. A., M.A., Ph.D. Edin.
LL.D. Brist. Prof.

Cochran, A. B., M.A. Ox. and
N.Z. Sr. Lectr.

Stevens, Joan, M.A. Ox. and N.Z.
 Sr. Lectr.
 Bertram, J. M., M.A. Ox. and N.Z.
 Sr. Lectr.
 Burchfield, R. W., M.A. Jr. Lectr.
 Miles, A., M.A. Jr. Lectr.

Geography

McKenzie, D. W., M.Sc. Sr. Lectr.
 Finney, Joyce K., M.A. Jr. Lectr.

Geology

Cotton, C. A., D.Sc., F.R.S.N.Z.,
 F.G.S. Prof.
 Lillie, A. R., M.A., Br. es Sci
 Geneva Sr. Lectr.
 Te Punga, M. T., M.Sc. Lectr.

History

Wood, F. L. W., B.A. Syd., M.A.
 Ox. Prof.
 Beaglehole, J. C., Ph.D. Lond.,
 M.A. Sr. Lectr.
 Munz, P., M.A. Sr. Lectr.
 Owen, J. B., M.A. Jr. Lectr.
 Boyd, Mary B., M.A. Jr. Lectr.

Law, English and N.Z.

Williams, J., Ph.D. Camb., LL.M.
 Dean and Prof.
 Campbell, I. D., LL.M. Sr. Lectr.
 Marshall, J. R., B.A., LL.M.
 (Pt.-time) Lectr.
 Christie, R. C., LL.B.
 (Pt.-time) Lectr.

Law, Roman, etc.

McGechan, R. O., B.A., LL.B. Syd.
 Prof.
 Braybrooke, E. K., LL.M.
 Sr. Lectr.

Mathematics

Miles, F. F., M.A. Ox. and N.Z.,
 Dip.Ed. Prof.
 Campbell, J. T., Ph.D. Edin.,
 M.A. Sr. Lectr.
 Seelye, C. J., Ph.D. Edin., M.Sc.
 Sr. Lectr.
 Patterson, D., M.A., M.Sc.
 Jr. Lectr.

Modern Languages

Boyd-Wilson, E. J., B.A. Camb.,
 M.A., B.Sc. Prof.
 Huntington, Frances M., M.A.
 Sr. Lectr.
 Carrad, D. B., M.A. Ox. Sr. Lectr.

Music

Page, F. J., Mus.B. Sr. Lectr.

Philosophy and Psychology

Beaglehole, E., Ph.D. Lond., M.A.,
 Lit.D. Lond., F.R.S.N.Z.
 (Psychol.)
 Hd. of Dept. and Prof.
 Adcock, C. J., Ph.D. Lond., M.A.
 Lectr.
 Hudson, H., M.A., Dip.Ed. Lectr.
 Congalton, A. A., M.A., Dip.Ed.
 Jr. Lectr.
 Spinley, Betty M., M.A.
 Jr. Lectr.

Physics

Florance, D. C. H., M.A., M.Sc.
 Prof.
 Peddie, G. A., M.A. Sr. Lectr.
 Cwilong, B. M., Mag.nat.phil.
 Warsaw, D.Phil. Ox. Sr. Lectr.
 Ryder, N. V., M.Sc. Sr. Lectr.
 Manchester, F. D., M.Sc.
 Jr. Lectr.

Political Science

Parker, R. S., M.Ec. Syd. Prof.
 Scott, K. J., M.A., LL.B., D.P.A.
 Sr. Lectr.
 Smith, T. R., M.Com., D.P.A.
 Sr. Lectr.
 Kahn, J. F., Dr.iur.utr. Munich
 Lectr.

Zoology

Richardson, L. R., M.Sc., Ph.D.
 McG. Dean and Prof.
 Fell, H. B., Ph.D. Edin., M.Sc.
 Sr. Lectr.
 Ralph, Patricia M., M.Sc.
 Jr. Lectr.
 Dawbin, W. H. I., M.Sc.
 Jr. Lectr.
 Bary, B. M., B.Sc. Jr. Lectr.

Adult Education

Hely, A. S., B.A., B.Com.

Director

Tutor Organizers

Morrison, S. R., M.A.

Mountjoy, W. J., B.A.

Long, A. G., B.A.

Hawkins, Claudine.

Stocker, Kate.

Home Science

Johnson, Amy H., B.H.Sc.

Sarah Anne Rhodes Fellow.

Hitchon, Betty, Dip.H.Sc.

Sarah Anne Rhodes Tutor.

GENERAL INFORMATION

Established by Act of the N.Z. Legislature, 1897, and affiliated to the Univ. of N.Z., 1899. Endowed by Govt. with 4000 acres. College buildings, towards which Govt. gave £31,000, were opened in 1906; additional wings for Library, etc., and for Physics erected 1921-22 at a cost of £50,000; Administrative Block opened in 1939. Annual grants about £55,000

Full DEGREE COURSES are provided in Arts, Science, Law, and Commerce (v. p. 734), and the earlier stages in other Faculties.

FEES. Arts (3 yrs.) about £55 (M.A., £9 : 9s. additional); Science (3-4 yrs.) about £70 (M.Sc., £12 : 12s. additional); Law (4-5 yrs.) about £85; Commerce (4 yrs.) about £50. The exact fees for the courses vary in accordance with the choice of subjects.

RESEARCH SCHOLARSHIPS. J. Joseph, two scholarships of £60 for 1 yr. for original work.

RESIDENCE. Weir House provides accommodation for about 90 men students.

PUBLICATIONS. *Calendar* (Dec.); Students' Magazine published towards end of each session.

THE YEARS 1947, 1948

NEW POST. Inauguration of a full-time Principalship.

RETIREMENT. L. S. Hearnshaw, Lectr. (Philos.), on appt. to Chair of Psychol., Liverpool Univ.

STUDENTS (1947). Total: 2341; full-time: 653; part-time: 1688; the total includes 442 women and 226 postgraduates. Extra-mural: 482, including 81 women.

DEGREES (May 1947). B.A., 100; M.A., 27; LL.B., 19; LL.M., 2; LL.D., 1; B.Sc., 41; M.Sc., 20; B.Com., 43; M.Com., 1; Dip.Ed., 16.

CANTERBURY AGRICULTURAL COLLEGE LINCOLN

Founded 1873

Postal Address—Lincoln College, Private Bag, Christchurch.

VISITOR—The Hon. THE MINISTER FOR EDUCATION.

DIRECTOR—Prof. E. R. HUDSON, B.Agr., B.Sc., Dip. C.A.C.

ASST. DIRECTOR—J. W. CALDER, B.Agr., M.Sc., Dip. C.A.C.

REGISTRAR—J. A. S. KIRKNESS, M.Com.

WARDEN—J. D. MACKAY, M.B.E., B.A., B.Sc.

TEACHING AND RESEARCH STAFF

Agricultural Economics

Weston, I. W., M.Sc., Ph.D.

Agricultural Law

Wills, E. P., B.A., LL M., M.Com.

Agriculture

Hudson, E. R., B.Sc., B.Agr.,
Dip. C.A.C. Prof. of Agric.

Bevin, R. H., B.Agr., Dip. C.A.C.

Cooke, M. B., Cert. Agr., Dip.
C.A.C.

Ward, F. L., Dip. V.F.M., Dip.
M.A.C.

Animal Husbandry

Coop, I. E., D.Phil. Ox., M.Sc.
Prof. of Agric.

Stevens, P. G., Dip. C.A.C.

Hollard, M. G., M.Agr.Sc.

Blakley, R. L., M.Sc.

Engineering

Riddolls, A. W., B.E., B.Sc.

Entomology

Morrison, L., B.Sc. (Agr.) Aberd.

Farm Management

Flay, A. H., B.Sc., M.Agr.Sc.,
Dip. C.A.C.

Garrett, H. E., M.Agr.Sc.

Schapper, H. P., Dip. V.F.M.

McGloin, P. H., Dip. V.F.M.

Field Husbandry

Calder, J. W., B.Agr., M.Sc.,
Dip. C.A.C.

Iversen, C. E., M.Agr.Sc., Dip.
C.A.C.

Horticulture

McElroy, L. F.

Microbiology

Blair, I. D., Ph.D. Lond.,
M.Agr.Sc.

Rural Education

McCaskill, L. W., M.Agr.Sc., Dip.
C.A.C.

Scott, T. H., B.A.

Soils and Fertilizers

Burns, M. M., Ph.D. Aberd.,
M.Sc., F.N.Z.I.C.

Elphick, B. L., B.Sc. Lond.

Orchiston, H. D., M.Sc.

Adams, A. F. R., M.Sc.

Veterinary Science

McLean, J. W., M.Agr.Sc., B.V.Sc.
Syd.

Ewer, T. K., B.V.Sc. Syd.

Wool

Henderson, A. E., B Agr.Sc.
Short, B. F., M.Agr.Sc

Frankel, O. H., D.Agr. Berlin,
M.Agr.Sc, Geneticist, Wheat
Research Inst.

Honorary Lecturers

Hadfield, J. W., Director of Agro-
nomy Division, D S.I.R.

Farm Manager

Tebb, C. P., Dip. C A.C.

GENERAL INFORMATION

In 1872 the Provincial Council of Canterbury set aside certain lands for the endowment of higher education, including provision for a school of agriculture. Land suitable for the activities of such a school was bought at Lincoln in 1877 by the Canterbury College Board, which was administering the endowments, and Lincoln Agricultural College was opened in 1880. By the Canterbury Agricultural College Act, 1896, control of Lincoln Agricultural College was removed from the Canterbury College Board and vested in a separate Board of Governors, the College thenceforth being known as Canterbury Agricultural College. In 1913 a University Degree in Agriculture was instituted and the College was recognized as a School of Agriculture by the University of New Zealand. A series of amending Acts were passed between 1922 and 1927, and by legislation passed in the latter year the College became a College of the University. By the School of Agriculture Act, 1937, Canterbury Agricultural College and Massey Agricultural College were constituted a New Zealand School of Agriculture in connexion with the University of New Zealand. Under the Statutes Amendment Act 1945 the N.Z. School of Agriculture became associated for administrative purposes with the Department of Education instead of the Department of Agriculture.

FARMS of 2200 acres.

LABORATORIES. Biology, Chemistry, etc.

LIBRARY.

RESEARCH. Investigations are proceeding on wheat and other cereal crops, grasses and pasture plants, soils and manures, animal nutrition and disease, farm economics, wool production, agricultural engineering and plant diseases.

The WHEAT RESEARCH INSTITUTE and the Agronomy Division of the D.S.I.R. are located at the College.

COURSES AND FEES. Degree Course (B.Agr.Sc), 4 yrs.—lectures £22 : 10s. p.a. Board, 43s. 6d. per week for academic year of approx. 28 weeks. Diploma of Agriculture Course (Dip. C.A.C.), 2 yrs., £70 p.a. including board and tuition. Diploma of Valuation and Farm Management Course (Dip. V.F.M.), 1 yr. postgraduate course, £22 : 10s. tuition. Eight Months' Intensive Course, £22 : 10s. tuition. Horticultural Course, 2 yrs., £70 p.a. including board and tuition. Special Courses for Third-year Training College Students in Agriculture, and for Soil Conservators. Various Short Courses, including courses specially designed for returned Servicemen.

THE YEAR 1947

NEW POSTS. Lectureship in Field Husbandry ; Asst. Lectureship in Animal Husbandry ; Warden.

RESIGNATIONS. Dr. P. R. McMahon, on appt. as Lecturer-in-Charge, Sheep and Wool Dept., Sydney Techn. Coll., Australia ; T. R. N. Lothian, on appt. as Director of Parks and Reserves, Adelaide, Australia.

NEW BUILDINGS. Plans are in course of preparation for Dormitory, Refectory, Laboratory, Library and Administrative Blocks. A number of buildings transferred from former military camps enabled an additional 70 students to be admitted to residence.

EXTRA-MURAL WORK. Lectures to Teachers, Young Farmers' Clubs and Farmers' Unions, etc., Wireless Lectures, Farm Advisory work.

STUDENTS. Total 7359. Full-time: Degree, 68, including 10 graduates; Diploma of Agriculture, 80; Diploma of Valn. and Farm Management, 23; Intensive, 34; Horticulture, 20. Part-time. Courses in Agriculture and Rural Education for Specialist Teachers, 8; Short Courses, 462.

DEGREES AND DIPLOMAS. M.Agr.Sc., 3; B.Agr.Sc., 4; Dip. V.F.M., 19; Dip. C.A.C., 30, Dip. Horticulture, 8.

MASSEY AGRICULTURAL COLLEGE PALMERSTON NORTH

Founded 1926

Address—P.O. Box 601, Palmerston North, N.Z.

PRINCIPAL—G. S. PEREN, C.G., B.S.A. Tor.

REGISTRAR—C. C. YATES, F.R.A.N.Z.

LIBRARIAN—H. D. ERLAM.

LITERARY OFFICER—L. A. G. BARRETT.

TEACHING AND RESEARCH STAFF

Agr. Biochemistry

Barnicoat, C. R., M.Sc., Ph D.

Minn., F.R.I.C.

McGillivray, W. A., M.Sc. (on leave).

Jurd, L., B.Sc. Syd.

Cawley, R. W., M.Sc. (Relieving).

Whyte, Dorothy M. Analyst.

Agr. Botany

Yeates, J. S., Ph.D. Camb. and N.Z., M.Sc.

Campbell, Ella O., M.A.

Carnahan, J. A., M.Sc.

Agr. Economics

Low, H. B., M.A.

Calloway, A. C., M.Com. (on leave).

Bergstrom, A. R., M.Com. (Relieving).

Agr. Engineering

McGregor, A. A. D., B.E., M.Sc.

Dickson, A. J. Demr.

McKay, I. R. Demr.

Agr. Zoology

Tetley, J. H., M.Agr.Sc.

Robb, Joan.

Animal Genetics

Dry, F. W., D.Sc. Leeds.

Bacteriol. and Mycology

Waters, R.

Dairy Bacteriol. and Dairy Chemistry

Sargent, J. D., M.Sc.

Cox, G. A., M.Sc.*

Dairy Husbandry

Campbell, I. L., Ph.D. Missouri, B.Agr.Sc. Prof.

Hodgson, J. N., B.Agr.Sc.

Green, S. L., M.Agr.Sc.

Stewart, A., M.Agr.Sc. (on leave).

Johnson, A. A.

Ellett, T. R., B.Agr.Sc.

Barnes, F. R., B.Agr.Sc.

Dairy Manufactures

Sargent, J. D., M.Sc.

Singleton, J. A., B.Sc., B.Agr.Sc.*

Harkness, W. L.*

O'Dea, J. J.*

Dairy Technology

Ward, J. W.

Dairying

Riddet, W., B.Sc. (Agr.) Glas.

Logan Campbell Prof. of Agric.*

Field Drainage

Hopewell, H. G., M.Agr.Sc.

Bowler, D. G., Dip. Ag.

* Joint member of the staffs of the College and Dairy Research Institute.

Field Husbandry and Sheep Management

Peren, G. S., C.G., B.S.A. Tor.
Walter Clarke Buchanan
Prof. of Agric.

Horticulture and Commercial Fruit and Vegetable Growing

Hockey, K. C.
Richards, M.

Poultry Husbandry

Kissling, J. H.

Sheep Husbandry and Wool Classing

Clarke, E. A., B.Agr.Sc.
Gibson, A. J., B.Agr.Sc.
Goldstone, C. L., B.Agr.Sc.
Watt, K. D.
Rae, A. L., M.Agr.Sc.
Wilson, G. S.
Goot, H., M.Agr.Sc.
Barton, R. A.
Phillips, T. O.

Soils and Field Husbandry

Hudson, A. W., B.Agr., B.Sc.
Jacques, W. A., B.Sc. Wales
(Field Husb.).
Robinson, G. S., B.Agr.Sc. (Field Husb.).
Cross, M. W. (Farm Machinery)
Demr.
Hopewell, H. G., M.Agr.Sc. (Soils and Manures).
Fife, C. V., M.Sc. (Soils and Manures).
Hogg, J. B., B.Sc., B.Agr. (Soils and Manures).
St. George, N. L. (Field Drainage).
Bowler, D. G. (Field Drainage).
Pope, R. T. (Field Drainage).

Veterinary Pathology and Animal Physiology

Webster, W. M., B.Sc. Edin.
Newhook, J. C.
Reynolds, B. A.

GENERAL INFORMATION

The College was establd. under the New Zealand Agricultural College Act in Sept. 1926 as the result of an agreement between Victoria Univ. Coll., Wellington, and Auckland Univ. Coll. to amalgamate their respective Schools of Agric. and to establish the new Coll. in the Palmerston North-Marton area. On July 29, 1927, an amending statute, the Massey Agricultural College Act, was passed, and the Coll. finally establd. under its present title. Under a further amending Act, the School of Agriculture Act, 1937, the Massey Agricultural College and the Canterbury Agricultural College were constituted a School of Agriculture in connexion with the University of New Zealand and called the New Zealand School of Agriculture.

The College Buildings consist of the Main Building, containing lecture rooms, teaching and research laboratories, library, assembly hall, studies, common rooms, etc.; the Administration Building and the Students' Residences.

The Coll. includes a modern dairy factory, with separate rooms for all dairy processes, etc., and equipped with small units of the latest designs of dairy factory machinery. The freehold farm is c. 1200 acres in extent, with a wide range of soil types, and is devoted to sheep and dairy farming. A hill-country sheep farm of 1046 acres, situated eight miles distant, is leased by the College.

DEGREE COURSES, ETC. Courses are given for the B.Agr.Sc. and M.Agr.Sc. of the Univ. of N.Z. College Diploma courses in Dairying, Agriculture, Horticulture and in Wool Classing, College Certificate courses in Poultry Farming and short courses in Sheep Farming, Dairy Farming, Market Milk and Ice Cream, Fruit Growing, Seeds and Fertilizers, and Herd Testing are also provided.

RESEARCH. The College is a major centre for research in wool problems.

Among the investigations now being conducted are: research into wool improvement and breeding problems in sheep; the effect of various pasture strains and manural treatments on thrift and productivity of sheep and lambs; the growth and development of sheep's teeth; the milk supply of the ewe; investigations on the epidemiology of round worm parasitism in sheep; various aspects of mole draining. The Dairy Research Institute (N.Z.) is located at, and the Grasslands Division of the Plant Research Bureau (Dept. of Scientific and Industrial Research) is adjacent to, the College.

FEES. B.Agr.Sc (including board), £100 p.a.; M.Agr.Sc. (including board), £90 p.a.; Farming and Horticulture Courses (including board), £100 p.a.; Dairying, £10 per term; Wool Classing, £20 per course; short courses, £1 per week.

SCHOLARSHIPS. Various Govt. and Univ. Scholps. are open to students.

THE YEAR 1947

BENEFACTION. Under the will of the late Bernard Chambers, £7850 for research into plant and/or animal diseases.

NEW BUILDINGS. Additional men students' residence to accommodate 150 students.

NEW POST. Chair in Dairy Husbandry.

STUDENTS. Full-time: 312, including 6 graduates. Part-time: 426.

DEGREES OBTAINED. M.Agr.Sc., 3; B.Agr.Sc., 4.

UNIVERSITIES OF THE UNION OF SOUTH AFRICA

CAPE TOWN

SOUTH AFRICA, PRETORIA

PRETORIA

STELLENBOSCH

THE WITWATERSRAND, JOHANNESBURG

HISTORICAL SUMMARY (originally contributed by Professor Ritchie of Cape Town, revised by Sir Carruthers Beattie, formerly Vice-Chancellor of the University of Cape Town, and further revised in 1947 and 1948 by the Vice-Chancellor's Committee). The history of higher education in S. Africa covers but a comparatively short period of time. It may be said to have had its beginnings when, in 1829, the S. African College (now incorporated in the Univ. of Cape Town) was founded, as a proprietary institution, by a number of progressive citizens of Cape Town, assisted by subscribers from various parts of the country. This institution was, at its inception and for a long time afterwards, not much more than a higher-class school, but it had within it the possibilities of growth and started with very high aims. It had a very chequered history for some time, and was on more than one occasion in danger of extinction, but it gradually acquired a stronger position on ceasing to be a proprietary institution and receiving support from the public funds. For 20 years it remained the only educational establishment in S. Africa which aspired to anything beyond the range of elementary education, but in 1849 a rival College (the Diocesan) was started under the ægis of the Episcopalian Church at Rondebosch, a suburb of Cape Town. A few years later, in 1855, a somewhat similar College, St. Andrew's, was founded in Grahamstown, in the eastern part of the Cape Colony. Under the Governorship of Sir George Grey there was founded, in 1855, the Grey College at Bloemfontein in the Orange Free State, the first attempt at higher education beyond the borders of the then Cape Colony. None of these Colleges was well equipped, and most of the work done by them was school work rather than Univ. work, but they gradually acquired a growing influence and formed centres at which development was only a question of time. A very strong impetus in the direction of higher education was given in 1858 by the establishment of a Board of Examiners in Literature and Science. This Board had in view in the first instance the testing by means of examination of the competency of candidates for the Civil Service and public offices, but it soon extended its scope and started examinations on more distinctively Univ. lines, corresponding roughly to Matricn., B.A., and M.A. The competition between the existing Colleges caused by these exams. had undoubtedly a strong influence on the growth of these Colleges and the greater attention paid to subjects beyond the mere school range. This Board continued to exist until 1873, when a successful attempt was

made to institute a Univ. for S. Africa. The Univ. of the Cape of Good Hope, which was then founded, continued to exist until the beginning of 1918, when it was transformed into the Univ. of S. Africa, with its administrative seat at Pretoria. This Univ. was modelled on the lines of the London Univ., as then existing, as a purely examining body. It was governed by a Council, half of whose members were nominated by the Government, half elected by the members of Convocation. It had no constitutional connexion with the Colleges which prepared students for its examns., but the members of the Council who were elected by Convocation tended gradually to be almost entirely members of the teaching staffs of the various Colleges. In this indirect fashion the Colleges had a considerable influence on the development of the Univ. and the extension of the range and scope of its examns. Almost at the same time as the founding of the Univ. of the Cape of Good Hope there was passed by the Cape Parliament a Higher Education Act, which gave definite salary grants to the professors at recognized Colleges. This Act, together with the new impulse given to higher education by the new Univ., had a very marked influence on the development of the Colleges, which now began to increase in staff and numbers of students. The new College of Stellenbosch (afterwards the Victoria College and now the Univ. of Stellenbosch) was founded in 1874, and grew very rapidly, until it was a formidable rival of the older College at Cape Town. Other Colleges were founded also at Somerset East (Gill College) and Port Elizabeth (Grey Institute), but these had only a very short term of life. At a considerably later period, as S. Africa grew in population and wealth, other Colleges sprang into existence. A College for women (the Huguenot College) was founded at Wellington in 1898. In 1904 St. Andrew's College at Grahamstown separated its College department from its school, and the former became incorporated as the Rhodes College. In the same year a School of Mines which had been founded in 1896 at Kimberley was transferred to Johannesburg, and afterwards developed into a College for higher education generally, which is now the University of the Witwatersrand. In 1908 a Univ. College was founded at Pretoria,* and in 1909 a similar College was instituted at Pietermaritzburg, Natal.

In 1904 there began a movement for the institution of a teaching, in place of the examining, Univ., and the controversy regarding the rival claims of a federal and a single-college Univ. continued for a number of years. An Inter-Colonial Conference on Univ. Education in 1908 reported in favour of a federal scheme, but nothing came of its decision. A new factor in favour of a teaching Univ. was introduced by the munificent gifts for this purpose of Mr. Alfred Beit, his brother, Mr. (later Sir) Otto Beit, and Sir Julius Wernher. In consequence of these gifts, various attempts were made by the Government to solve the knotty question of reconciling claims of the existing Colleges with the institution of one or more teaching Univs. A parliamentary committee deliberated on the subject in 1913, and a Commission was appointed in the same year and, after taking evidence, issued its report in 1914. This Commission proposed two Univs., one consisting of a

* Now the University of Pretoria.

federation of the S. African College and the Victoria College, the other of a federation of the remaining Colleges (Rhodes College being allowed the choice of joining whichever federation it pleased), but the proposal led to no practical result, chiefly owing to the objection on the part of the two oldest and strongest Colleges, at Cape Town and Stellenbosch, to the loss of their independence. The problem was at length solved in 1916 by giving charters to both the S. African College and the Victoria College, and by the reincorporation of the old Univ. of the Cape of Good Hope as a federal Univ. embracing all the other Colleges under the name of the Univ. of S. Africa.

The three Acts passed by the Union of S. Africa in 1916 were to the following effect :

I. The Univ. of the Cape of Good Hope became the Univ. of South Africa, with its administrative seat at Pretoria.

II. The South African College became the Univ. of Cape Town, with which is incorporated the S. African College. Its seat is upon the Groote Schuur estate on the eastern slopes of Table Mountain.

III. The Victoria College, Stellenbosch, became the Univ. of Stellenbosch, with its seat in the division of Stellenbosch in the Province of the Cape of Good Hope.

The Faculties of the Univ. of Stellenbosch were specified originally as—Arts, Science, Education, Agric., Law, Theology, Commerce, to which have now been added Forestry and Engineering ; of the Univ. of Cape Town as—Arts, Science, Medicine, Law, Engineering, Education, to which have been added subsequently Commerce, Music, Fine Art (and Architecture). Of the Univ. of South Africa the Faculties are not defined, but permission is given to each of the constituent Colleges to establish such faculties or depts. as it may deem fit ; provided that it shall not, without the consent of the Govr.-General, apply towards the maintenance of a faculty or dept. not established at the commencement of the Act any money granted to the College from public funds. The three University Acts referred to above also made provision for the establishment of a Joint Matriculation Board and a Joint Committee for Professional Examinations, the functions of which are indicated below.

In 1922 the teaching institution at Potchefstroom was admitted as a constituent College of the University of South Africa under the name of the Potchefstroom University College.

In 1921 Parliament passed a further Act, which has the effect of incorporating, with effect from March 1, 1922, as " The University of the Witwatersrand, Johannesburg," the University College, Johannesburg (formerly the S. African School of Mines and Technology, and one of the constituent Colleges of the University of S Africa). Its Faculties are defined as Arts, Science, Medicine, Law, Engineering, Commerce, and Dentistry, to which has been added Architecture.

In 1923 the South African Native College at Fort Hare, established primarily for the benefit of the native races of South Africa, was incorporated under the Higher Education Act of 1923.

In 1930 Parliament passed an Act incorporating the Transvaal University College, Pretoria, as " The University of Pretoria " as from

10th October 1930. Its faculties are specified as Arts, Science, Agriculture, Law, Theology, Commerce and Public Administration, Veterinary Science, Education, Music, to which has been added Medicine.

Each of the five Univs. is governed by Council, Senate, and Convocation. The Senate of the Univ. of South Africa consists of the Heads of the Constituent Colleges and the Professors and Lecturers of the constituent Colleges who are heads of such departments as are recognized by the University Council; the Senates of the Univs. of Stellenbosch, the Witwatersrand, Pretoria, and Cape Town consist in each case of the Principal or Rector, the Vice-Chancellor, two additional members of the Council appointed for a prescribed period, and the Professors and, at Pretoria, Heads of Depts. At the Univ. of the Witwatersrand two Assessor members are elected annually by the Lecturers.

There are three Faculties of Medicine, in Cape Town, Pretoria and Johannesburg; four of Engineering, in Cape Town, Johannesburg, Stellenbosch and Durban; two of Agriculture, at Pretoria and Stellenbosch; at Pretoria there is also a Veterinary Science faculty, and at Stellenbosch in 1932 a Forestry course was started; there are theological faculties at Stellenbosch and Pretoria.

The training of secondary teachers has been left to the Universities and all the institutions endeavour to carry out this training. The training of primary teachers is to a much smaller extent provided for in the Universities, the main work in this instance being carried on in training colleges under the provincial Departments of Education.

Legal and commercial training is given in all the Universities, so is the teaching of the subjects usual in a Science and in an Arts Faculty.

Schools of African Life and Languages have been established at four of the Universities, and a considerable amount of valuable work has been done.

The South African Native College at Fort Hare is not yet a constituent College of any of the Universities, and students taught there take degrees of the University of South Africa externally.

SCHOLARSHIPS. Open to graduates of all South African Universities: 1851 Exhibition Scholarships, £275 p.a. for 2 yrs. (in exceptional cases, 3 yrs.), tenable at any institution approved by Commissioners; Beit Fellowships, £240 p.a. for 2 yrs., tenable at Imperial College, London; H. B. Webb, maximum £300 p.a. for 2 yrs.; Union, £225 for 2 yrs. Open to graduates of the Universities of Cape Town, South Africa and Stellenbosch: Croll Memorial, Porter, George Grey, Queen Victoria, Donald Currie, all £225 p.a. for 2 yrs.; Ebdon, £300 p.a. for 2 yrs. at Cambridge; W. Hiddingh, £266 p.a. for 3 yrs.; Maynard, £90 p.a. for 2 yrs.

Elsie Ballot Scholarships, £400 p.a. for 2-3 yrs., tenable at Cambridge; basis of selection as for Rhodes Scholarships. Further information from the Joint Trustees (The Secretary, Ballot Scholarships, University Registry, Cambridge, and Barclay's Bank, D.C.O. (Trustee Department), Box 434, Pretoria).

For Rhodes Scholarships, see p. 305.

See also under the separate Universities.

TERMS. The academic year is usually divided into 4 terms, beginning in Feb. or March and ending Nov. or Dec. At Cape Town, Stellenbosch, Pretoria, and the Witwatersrand there are two Semesters or terms, beginning end of Feb. and end of July.

VICE-CHANCELLORS' COMMITTEE The Vice-Chancellors of the Univs. acting as a Joint Committee (known as *The Vice-Chancellors' Committee*) have, in the exercise of powers conferred by the above-mentioned Acts, made joint statutes and regulations relating to the Joint Matricn. Board, the Joint Committee for Professional Examns., the administration of the Joint Scholarship Funds of the five Univs., the admission of registered students of any one of the Univs. to any of the others, and a minimum period of attendance and minimum fees for the degree of Bachelor. They have power to formulate regulations dealing with any matters of common interest, such as the rotation between the five Univs. of postgraduate scholarships administered by the Committee and the conditions of award, etc.; the conditions and award of essay prizes, etc. The Committee has also acted as the selecting body for Commonwealth and British Council Scholarships and Carnegie Corporation Fellowships. The address of the Secretary (who is also Registrar, Univ. of Cape Town) is P.O. Box 594, Cape Town.

CONFERENCE. Representatives of the Univs. and Univ. Colleges in South Africa met for the first time in conference in Cape Town in 1923 to discuss matters of common interest and to promote co-operation and mutual consultation. Similar meetings have since been held from time to time. Two conferences were summoned by the Minister of Education, in 1931 and 1932, to consider respectively the Financial Control of the Universities and the questions of bilingual instruction and external degrees.

A conference was convened by the Vice-Chancellors' Committee in 1943 to formulate a uniform scheme for concessions to students who had been prisoners of war or engaged on military or national service.

The JOINT MATRICULATION BOARD consists of representatives of the five Univs., the Departments of Education of the Union, the four Provinces, S. Rhodesia and S.W. Africa, and the Secondary Schools (public and private) of the four Provinces. Its function is to control and conduct the Matricn. Examn. of the five Univs., and to deal with all applications for exemption therefrom. Regulations require candidates to *take*, at one and the same examination, not fewer than six or more than seven subjects and to *pass* with not less than $33\frac{1}{3}$ per cent. in each in not fewer than five and obtain a fixed minimum aggregate. Candidates so passing obtain *School-Leaving Certificates* if the passing subjects include (i) An official language on the Higher Grade, (ii) Mathematics or a Science, (iii) the other official language or an approved Bantu language or Latin or French or Greek or German or History or Geography; and *Matriculation Certificates*, if the passing subjects include four subjects, one from each of the four groups: (i) an official language on the Higher Grade, (ii) the other official language on the Higher or Ordinary Grade or an approved Bantu language (A or B grade), or Latin or French or Greek or German, (iii) a Science, or Mathematics, (iv) Mathematics if not

taken under (iii) or another language from (ii), or History or Geography or Hebrew or other language in which the Board agrees to conduct an examination, in which the candidate has obtained the Matriculation standard of 40 per cent. Candidates must also have passed in Mathematics or a Third Language, viz., a language other than English, Afrikaans, Nederlands.

EXAMINATIONS EXEMPTING, SUBJECT FOR SUBJECT, FROM THE MATRICULATION EXAMINATION OF THE BOARD (candidates must have passed in not fewer than five subjects; "Credit" is equated to the Matriculation Standard): The four South African Departmental School-Leaving Examinations; Five British School Certificates; Intermediate Examination, First Class, of Indian Universities; Matriculation or other entrance certificate of other approved Universities; Leaving Certificate of Education Departments of Secondary School entitling holder to admission to such University; British Higher Certificates; Leaving Certificates of Education Departments of Scotland and Eire; Hoofdakke (Holland); Forces Preliminary Examination.

CONCESSIONS TO EX-VOLUNTEERS. Matriculation Certificates are awarded to ex-volunteers who, within two years after discharge, have passed in four subjects (not necessarily on the Matriculation standard, or at one and the same examination), namely (i) an official language on the Higher Grade; (ii) a second language or Mathematics or a Science; (iii), (iv) two further subjects; exemption certificates being similarly awarded on the ground of passes at recognized examinations.

Non-matriculated candidates over the age of 25 who desire to proceed to a degree course and are not eligible for exemption under the ordinary regulations may, under certain conditions, be specially exempted from matricn. on the recommendation of the Univ. or other authority concerned.

The address of the Secretary (who is also Registrar of the Univ. of S.A.) is P.O. Box 392, Pretoria.

The JOINT COMMITTEE FOR PROFESSIONAL EXAMNS. (address—P.O. Box 392, Pretoria), consisting of 2 representatives of each of the 5 Univs. (one for Law and one for Survey) and 5 persons appointed by the Govr.-General (of whom at least 2 must be for Law and 2 for Survey), controls and conducts: (1) Attorneys' Admission Examn., (2) Civil Service (Lower and Higher) Law Examns., (3) Examns. in Theory of Land Surveying, and (4) Examn. for Patent Agents. It also conducts in certain cases on behalf of the Supreme Court the Advocates' Admission Examn. in Roman-Dutch Law and the Statute Law of the Union and the Supplementary Attorneys' Admission Examination.

UNIVERSITY OF CAPE TOWN

Founded 1918

Postal Address—Private Bag, Rondebosch.

Telegrams—University, Rondebosch.

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Lectr.
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v. also Maths. *supra*

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..... Corporation Prof.
Stewart, G., F.R.San.I. Sr. Lectr.
Gilmore, J. A., B.Sc., M.A.
Sr. Lectr.
Robins, B., B.Sc. Lectr.
Pearson, G. G., B.Sc. Jr. Lectr.
1 Tech. Asst., 1 Clerical Asst. (also
Elec. and Mech. Eng.).

Electrical Engineering

Goodlet, B. L., O.B.E., M.A.
Camb., F.Inst.P.
Corporation Prof.
Sas, R. K., Dip.Eng. Lemberg
Sr. Lectr.
Webster, G. H., M.Eng. Sheff.
Sr. Lectr.

Einhorn, H., Dr.Ing. Berlin Lectr.
 Smith, N C. Jr. Lectr
 1 Tech. Asst.

Land Surveying

Menzies, G. H., B.Sc. Prof
 Whittingdale, W Reader.
 Lectr.
 3 Assts., 1 Tech. Asst.

Mechanical Engineering

McMillan, D, M.C. Prof.
 Weaver, W. G. Sr. Lectr.
 Elliott, G. G, B Sc. Sr. Lectr.
 Smith, D. R. L., Dip Eng Lond.
 Lectr.
 Sacks, E., Dip.Ing Darmstadt
 Lectr.
 Stegen, R. M., B.Sc. Asst.
 Jr. Lectr.
 2 Tech. Assts.

Medicine

(for subjects of the first 2 yrs.—
 Anat., etc., v. *supra*)

Anæsthetics

Fuller, T. A., M.B., Ch.B. Edin.,
 D.P.H. Lond. Lectr.
 Jenkins, P S., M.B., Ch.B. Asst.
 Hacking, E. B., M.A., M.B., Ch.B.
 Asst
 Berelowitz, H., M.B., Ch.B. Edin.
 Clin. Instr.

Dermatology

Lang, R., M.B., B Ch. Dub. Lectr.
 Asst. Clin. Lecturers
 Jacobson, J. J., D.P.M. Lond.,
 D.M.R.E. Camb
 Hersman, D., B.A., M.B., Ch.B.
 Walker, J., M.B., Ch.B.

Diseases of Children

Rabkin, W., M.B., Ch.B. Edin.
 Lectr.
 Mirvish, I., M.B., Ch.B.
 Asst. Clin. Lectr.
 Shore, S. C., B.A. Tutor.
 Tomory, Louisa, M.D. Aberd.
 Asst. Clin. Lectr.

Ear, Nose, and Throat

Lückhoff, J., M.D. Edin. Lectr
 Asst. Clin. Lecturers
 Scott, R. L., M.B., Ch.B., F R C S
 Ed.
 Smuts, Ph. A, B.A. Cape, F.R.C.S
 Ed.

Forensic Medicine

Turner, R, M.B, Ch.B., D.P H
 Prof
 Shapiro, A. H., B.A., Ph.D., M B.,
 Ch.B. Lectr.
 Keen, E. N., M.B., Ch.B. Lectr.

*Gynæcology, v. Obstetrics and
 Gyn.*

Infectious Diseases

Wicht, J. F., M.D. Dub., D P.H.
 Lectr.

Leprosy

Med. Supt. Lep. Inst. Pretoria
 Lectr.

Medical Ethics

Bremer, K., M.B., B.S Lond.
 Lectr.

Medicine

Brock, J. F., M.A., B.Ch., D.M.
 Ox. Prof.
 Merskey, C., M.B., Ch.B. Lectr.
 Schure, V., M.Sc., Ph.D., M.B.,
 Ch.B. Sr. Asst.
 Grayce, I., M B., Ch.B. Jr. Asst.
 Hornitz, M., M B, Ch.B.
 Jr. Asst.

15 Assts. and Tutors.

Medicine, Clinical

Forman, F., B.A. Cape, M.B.,
 Ch.B. Aberd. Prof.
 Lectr.

Medicine, Psychological

Key, G. J., M.B., Ch.B. Aberd.
 Lectr. and Hd. of Dept.
 Kooy, F. H., M.D. Gron. Lectr.
 Cairns, J. H., M.B., Ch.B Lectr.
 4 Assistants.

Methods of General Medical Practice

Bremer, K., M.B., B.S. Lond.
Lectr.

Obstetrics and Gynaecology

Crichton, E. C., B.A., M.D.,
B.A.O., B.Ch., L.M. Dub.,
F.R.C.O.G. Prof.
Wells, A. Simpson, M.A., M.D.
Glas., F.R.C.S.Ed.
(Obstet.) Lectr.
Crichton, E. D., M.B., Ch.B.
Jr. Asst.

Obstetrics and Gynaec., Clinical

Charnock, F. S., M.B., Ch.B.
Manc. (Obstet.) Lectr.
Impey, R. L., M.C., M.D., F.R.C.S.
Ed., F.R.C.O.G.
(Gynaec.) Lectr.
Sharp, C. W. C., F.R.C.S.Ed.
(Obstet.) Lectr.
Goldberg, A. I., M.B., Ch.B.
(Obstet. and Gyn.) Lectr.
..... Asst. Lectr.
8 Tutors, 1 Asst.

Ophthalmology

du Toit, J. S., M.D., F.R.C.S.
Ed. Lectr.
Sichel, A. W. S., B.A. Cape, M.D.
Edin., D.O. Ox., D.O.M.S.
Lond. Lectr.
4 Assts.

Orthopaedics

Bell, H., M.B., B.Ch. Belfast,
M.Ch.Orth. Liv., F.R.C.S.
Ed. Lectr.

Orthopaedics, Clinical

Keen, A. D., M.B., Ch.B.
Asst. Lectr.
van der Merwe, R. C., M.B., Ch.B.
Asst. Lectr.

Pathology

Ryrie, B. J., M.B., Ch.B. Edin.,
F.R.S.S.Af.
Wernher and Beit Prof.
(Path.) and Head of
Dept.

Van der Ende, M., M.B., Ch.B.,
Ph.D. Camb

Wernher and Beit Prof.
(Bac.).

..... (Chemical Path.) Prof.
Linder, G. C., M.D. Sr. Asst.
Don, Phyllis A., B.A., M.B., Ch.B.
Asst.
Selzer, Gerda, M.B., Ch.B. Asst.
Parker, R. G. F. Asst.
Skaife, S. H., M.A. Cape, Ph.D.
Pt-time Lectr.
3 Jr. Assts., 4 Lab. Assts., 10 Tech.
Assts. and 2 Clerical Assts.

Pharmacology

..... Wernher and Beit Prof.
Sapeika, N., B.A., M.B., Ch.B.
Asst.

1 Tech. Asst.

Public Health

Fehrsen, F. O., D.P.H. Prof.
3 Assts.

Radiology

..... Prof.
4 Assts., 1 Clerical Asst.

Surgery

Cole Rous, M., M.B., Ch.B.,
F.R.C.S. Prof.
Goetz, R. H., M.D. Frank. and
Berne, M.B., Ch.B.
Research Assoc. Prof.
Lennox, G. W., O.B.E., M.D.,
F.R.C.S.Ed. Asst.
Sacks, G., B.A., M.B., Ch.B. Dub.,
F.R.C.S. Clin. Lectr.
Marr, J. A. S., M.B., Ch.B.,
F.R.C.S. Clin. Lectr.
Van Zyl, F. D. du T., M.B., Ch.B.,
Ch.M., F.R.C.S.Ed.

Clin. Lectr.
Wilkie, W., M.B., Ch.B.

Clin. Lectr.
Chanock, L., M.B., Ch.B. Aberd.,
F.R.C.S.Ed. and Eng. Tutor.
Forsyth, R. L., B.A., M.B., Ch.B.,
M.Ch., B.A.O. Dub., F.R.C.S.I.
Tutor.

1 Tech. Asst.

<i>Surgery, Dental</i>		<i>Venereal Diseases</i>
Wolff, H., L.D.S.	Lectr.	O'Malley, C. K., M.C., M.B.,
Rosenblatt, W., I.L.D.S.	Lectr.	B.A.O., M.Sc. N.U.I.,
<i>Vaccination</i>	[Lectr.	D.M.R.E. Camb. Lectr.
Louw, A., M.D., Ch.B. Edin.		

GENERAL INFORMATION

The University of Cape Town, with which is incorporated the South African College, created by Act 14 of 1916, came into legal existence on April 2, 1918, when the Council took over a bequest by Sir Julius Wernher of £250,000 and a donation of equal amount from Sir Otto Beit, who added £50,000 to a lapsed bequest by Mr Alfred Beit. For early history, see *Yearbook* for 1930 and Introductory Chapter above.

A site for the University was provided by Government at Groote Schuur, Rondebosch. An appeal for funds in commemoration of the centenary of the S.A. College in 1929 realized over £70,000.

LIBRARY, 100,000 vols. Access to S.A. Public Library, 100,000 vols., specially well equipped in Bot. and Zool. Depts. Also Bolus Bot. Library and (for students of Teaching) the Library of the Educn. Dept. The Bolus **HERBARIUM** includes Guthrie Collection of Cape Flora.

FACULTIES. Arts, Commerce, Science, Engineering, Law, Medicine, Education, Music, Fine Art and Architecture, and Social Science.

DEGREE COURSES. 3 yrs.—B.A., B.A. (Soc. Sc.), B.Sc. (Pure Sc.), B.Com.; 4 yrs.—B.A. (Fine Arts), B.Mus., B.Sc. (Applied Sc., Engin. or Land Surveying); 5 yrs.—B.A. (Architecture), B.Sc. (Quantity Surveying), LL.B.; 6 yrs.—M.B., Ch.B. Higher degrees: M.A., M.A. (Architecture), M.A. (Fine Art), M.A. (Soc. Sc.), 1 yr.; M.Sc., 1 yr.; M.Com., 1 yr.; B.Ed., 2 yrs. after approved Bachelor's degree; M.Ed., 2 yrs. after approved Master's or equivalent degree. The M.A., M.Sc. and M.Com. courses are open to graduates of any approved Univ.; so also are courses for the Ph.D. (open to Bachelors of at least 3 yrs.' standing), and D.Litt., D.Sc. (open to Bachelors of at least 5 yrs.' standing), for which attendance for 2 yrs. may be required. The M.Com. is open to B.Com. of 3 yrs.' standing. The LL.M. is open to LL.B. of 2 yrs.' standing; the LL.D. is open to LL.B. or LL.M. The M.Sc. in Engineering is restricted to graduates in engineering of the Univ. (2 yrs.' standing).

DIPLOMA COURSES. 1 yr.—Analytical Chemistry, Bacteriology, Librarianship, Native Administration (lower diploma), Native Education, Nursing, Public Health (postgraduate); 2 yrs.—Native Administration (higher diploma), Social Sciences; 3 yrs.—Commerce, Fine Art, Music, Speech Training and Elocution; 5 yrs.—Architecture.

CERTIFICATE COURSES. 1 yr. postgraduate—Secondary Teacher's; 3 yrs.—Ceramics, Commercial Art, Fine Art, Higher Primary Teacher's, Music, Speech Training.

OTHER COURSES. Classes for Lower Law Certificate Examn. and Civil Service Lower Law Examn. and for students in Agric. and Theol. proposing to graduate in those subjects elsewhere.

RECOGNITION OF AND BY OTHER INSTITUTIONS. Attendance at the Univs. of Stellenbosch, Witwatersrand, Pretoria and the constituent Colls. of the Univ. of S. Africa is accepted under certain conditions as part of the attendance qualifying for degrees. Attendance on classes in Physics, Chem., Bot. and Zool. is accepted by Aberd., Bris., Durh., Edin., Glas., Liv., Manc., Dub., R.C.P.

Lond., R.C.S. Eng.; so also are examns. in the Faculty of Arts on the special courses in these subjects (except by Dub.). Attendance on courses in Anat. and Physiol. is accepted by Aberd., Durh., Edin. and Glas., R.C.P. Lond. and R.C.S. Eng.; examns. in the Faculty of Arts in these subjects are accepted by Aberd. The Dentistry course is recognized by the R.C.S. Eng., R.C.P.S.Ed. and Edin. Dental School; the Hygiene course by the Conjoint Boards of Eng., Eire, Edin. and Glas.

FEES. The annual academic fee is fixed so as to cover all charges for a student's registration, classes and laboratories, ordinary Univ. examns., graduation, library, athletics, Students' Societies and, in the case of medical students, hospital fees for clinical instruction. The annual fee varies according to the course which is being taken, but is uniform throughout the normal duration of the course. B.A. and B.A. (Soc.Sc), £48; B.Sc., £58; B.Sc.Eng., £66; B.A Arch. and B.Sc. (Quantity Surveying), £66 for 3 yrs. and £30 for 2 yrs.; B.Ed., £48; LL.B., £50; M.B., Ch.B., £72; B.Mus., £60. Master's degree: Arts £40, Science £48, Education £40, Architecture and Fine Art £30, Engineering and Law £20, Medicine £25. Doctor's degree, £20.

SCHOLARSHIPS FOR GRADUATES. Jamison, £225 p.a. for 2 yrs.; S.A.C. Croll, £300 p.a. for 2 yrs.; Smartt Memorial (in Agric.), £200 p.a. for 2 or 3 yrs.; 2 in Engin., £150 p.a. for 2 yrs.; 1 in Med., £150 p.a., tenable for 1 yr. overseas. *v.* also Introductory Chapter.

A Jagger Scholarship of the annual value of £200, tenable for 3 (or possibly 4) years subject to satisfactory conduct and progress, offered to a student from Gt. Britain proposing to take his degree at the Univ. of Cape Town.

Open postgraduate scholarships in Agriculture (£200 p.a. for 2-3 yrs.) and in Surgery (£450 p.a. for 2-3 yrs.)

TRAVELLING CONCESSIONS. On production of a certificate signed by the registrar, all full-time students may travel by rail under certain conditions at *reduced fares*—viz. the concession is only allowed on return tickets via the most convenient direct all-rail route from home to the Univ. and back; it does not apply to married persons, or to students attending classes for the law certifi. and civil service law examns. Students who have obtained a degree are not eligible for season tickets at concession rates for daily travel.

The Union-Castle Steamship Co. gives concessions to students travelling coastwise between ports from Cape Town to Mombasa, inclusive (applicable only to whole-time scholars and students who have not graduated and who are not married): (a) Students travelling from home to school or univ. or *vice versa*: *Single tickets* at single fare, according to age, less 10 per cent. *Return tickets* at the single adult fare, plus 10 per cent. The period of availability may be extended to 12 months on application. (b) All other students: *Return tickets* will be granted at excursion rates, available for period of vacation.

Certificates must include age, home address and, when on vacation, the period of such vacation.

The Union-Castle Co. and other Steamship Cos. grant a 10 per cent reduction on the ordinary fare to students proceeding overseas on vacation or for further study.

APPOINTMENTS COMMITTEE. Hon. Secretary, E. G. Pells.

RESIDENCE. Hostels for 300 men and 200 women. Board, laundry and residence, £68-£78 p.a.

PUBLICATIONS. *Calendar* (Dec.); Students' Repve. Council's *Grootse Schuur*; *Annals of the Bolus Herbarium*; *The History of South African College, 1829-1918*, by Prof. W. Ritchie (2 vols.: Maskew Miller, Cape Town);

The S.A. College and the University of Cape Town, 1829-1929, by Prof. E. A. Walker.

THE YEAR 1946

BENEFACTIONS. The Univ. accepted an offer by the executors in the estate of the late Lady Ludlow of a replica of the original painting of the late Sir Julius Charles Wernher; Mr. Jacques Malan presented a number of historic photographs, and the Nasionale Pers Beperk an annual book prize of £10 for the best student in the first course in the dept. of Nederlands en Afrikaans. The Defence Department gave on loan to the Univ. for use by the electrical engineering dept. Radar equipment to the value of £980. The Directorate of Military Survey (War Office, London) presented over 3000 large-scale survey maps of Europe and other parts of the world.

NEW POSTS AND DEPARTMENTS. New posts included a professorship in land surveying, lectureships in electrical engineering, geology, music, pure mathematics and quantity surveying, and senior assistantships in pathology. Several temporary lectureships and assistantships were established because of the abnormal increase of number of students due to the return of ex-volunteers. The Council accepted in principle the establishment of a Dental School after the present strain on faculties has been relieved and provided an adequate additional Government grant is given.

EXTENSION LECTURES. Lectures under the auspices of the Extension Lectures Committee were given by Prof. R. S. Adamson, Prof. E. Chisholm, Prof. J. H. O. Day, Prof. W. H. Hutt, Prof. D. P. Inskip, Prof. J. T. Irving, Mr. A. Roland Holst and M. Armand Guibert.

RETIREMENTS. Dr A. W. Falconer (Principal), Prof. E. Roworth (Fine Art), Prof. J. van Roojen (Radiology), Prof. C. F. M. Saint (Surgery), Miss L. Isaacson (Lectr. in Music), Miss E. F. M. Rainier (Lectr. in Music).

DEATHS. Sir Carruthers Beattie, the first Principal and Vice-Chancellor of the Univ. who retired in 1937; Adv. M. Alexander, Member of Council; Prof. W. H. Bell (former Prof. of Music); Prof. A. E. Snape (Civ. Engin.); Prof. A. Brown (Appl. Maths.); Dr. L. P. Bosman (Member of Council).

HONORARY DEGREES. LL.D.—Dr. S. H. Haughton, Director of the Geological Survey.

STUDENTS. Full-time: 3833; part-time: 538.

DEGREES AND DIPLOMAS CONFERRED. B.A., 63; M.A., 23; Ph.D., 8; LL.B., 7; B.Sc., 50; M.Sc., 8; D.Sc., 1; M.B., Ch.B., 76; Ch.M., 3; B.Sc. in Engineering, 39; B.Sc. in Applied and Industrial Chem., 9; B.Sc. in Land Surveying, 2; B.Sc. in Quantity Surveying, 1; B.Arch., 14; M.Sc. in Engineering, 1; B.Ed., 6; B.Com., 16; M.Com., 1; B.A. in Social Science, 2; B.Soc.Sc., 21; B.A. in Fine Art, 2; B.Mus., 5. Dip. in Public Health, 10; Secondary Teacher's Certif., 32; Higher Primary Teacher's Certif., 8; Certif. for Teachers of Children handicapped in Speech and Hearing, 11; Dip. in Librarianship, 3; Higher Certif. in Librarianship, 6; Certif. in Librarianship, 11; Teacher's Licentiate Dip. in Music, 7; Dip. in Speech Training, 6; Certif. in Commercial Art, 5; Certif. in Social Surveying, 2; Dip. in Medical Radiology, 3.

UNIVERSITY OF SOUTH AFRICA

Founded 1873

Address—P.O. Box 392, Pretoria.

Telegrams—University, Pretoria.

CHANCELLOR—The Rt. Hon. N. J. DE WET, P.C., B.A. Cape, LL.D.

VICE-CHANCELLOR AND CHAIRMAN OF COUNCIL—A. J. R. VAN RHYN,
B.A., M.Sc., Ph.D.

CHAIRMAN OF THE SENATE—Professor H. v. d. M. SCHOLTZ, M.A. Stell.,
D.Litt. Utrecht.

PRESIDENT OF CONVOCATION—.....

REGISTRAR—LANGHAM MURRAY, M.A. Ox.

CONSTITUENT COLLEGES

UNIVERSITY COLLEGE OF THE O.F.S. (formerly Grey University College),
Bloemfontein (1855).

HUGUENOT UNIVERSITY COLLEGE, Wellington (1874).

NATAL UNIVERSITY COLLEGE, Pietermaritzburg and Durban (1909).

POTCHEFSTROOM UNIVERSITY COLLEGE for Christian Higher Education, Pot-
chefstroom (1905).

RHODES UNIVERSITY COLLEGE, Grahamstown (1855).

GENERAL INFORMATION

By Act 12 of 1916 of the Legislature of the Union of South Africa the University of the Cape of Good Hope, incorporated by Act of the Cape Legislature in 1873, became and was incorporated in the University of South Africa, with administrative seat at Pretoria. *See* Introductory Chapter above.

FACULTIES : Arts (including Fine Arts, Divinity and Music), Social Science, Education, Science, Engineering, Law, Commerce and Administration.

DEGREES. B.D. (Pass and Hons.), M.Div., D.D.; B.A. (Pass and Hons.) M.A., B.P.Ed., B.Ed., M.Ed., D.Litt., D.Phil.; B.A. in Soc. Sci. (Pass and Hons.); B.Mus., M.Mus., D.Mus.; B.Com. (Pass and Hons.), M.Com.; B.Econ. (Pass and Hons.), M.Econ.; B.Sc. (Pass and Hons.), M.Sc., Ph.D. in Sci., D.Sc.; B.Sc., M.Sc., Ph.D. and D.Sc. in Engin.; B.Sc. in Surveying; B.Sc. in Hygiene; LL.B., LL.M., LL.D.

Courses for B.A.; B.A. (Soc. Sci.), B.Com., B.Econ., B.Sc., B.Sc. (Dom. Sci.), B.Sc. (Hygiene)—3 yrs.; B.Mus., B.A. (Fine Arts), B.Sc. (Eng.), B.Sc. (Survey)—4 yrs.; B.D. and LL.B.—3 yrs., after graduating in some faculty other than Law. *Internal* candidates for these degrees must have attended as registered matriculated students at a Constituent Coll. for the prescribed periods, provided that the Senate will accept, as qualifying, attendance on recognized courses at any of the other South African Univs. and may accept attendance and exams. at other recognized Univs. or at other institutions

specially recognized by the Senate for the purpose. But the minimum attendance at approved courses at the Univ. of S.A. for the Bachelor's degree in Applied Science is the final 2 yrs., and for other Bachelor's degrees at least one-half of the courses prescribed. *External* students must have their curricula approved by the Senate and must pass the exams. prescribed for them from year to year by the Senate in order to qualify for degrees.

The Hons. B.Mus. and M.Mus. each cover 2 yrs. after the Bachelor's degree, and the M.A., M.Sc., M.Com. and M.Econ. courses 1 yr. after the Hons. Bachelor degree. The M.Sc. (Engin.) may be conferred on a B.Sc. (Engin.) who has had, since graduating, 2 yrs.' practice of his profession. A thesis is required for the LL.M. or M.Sc. (Engin.). Doctorates (except Ph.D.) are granted for approved theses to Bachelors of at least 5 yrs.' or Masters of at least 4 yrs.' standing (reducible to 4 and 3 respectively in consideration of attendance for one year as a research student at an approved institution). For the Ph.D. degree the periods are 3 yrs. and 2 yrs. The Master's and Doctor's degrees may also be conferred *honoris causa*.

Diplomas: in Education—1 yr. course; in Bantu Studies (Lower, 2 yrs., Higher, 1 yr.); in Chemical Technol.—1 yr.; in Town Planning—2 yrs.

The Division of External Studies was instituted in 1945 and commenced operations in 1947 under the direction of Prof. A. J. H. van der Walt, D.Phil. Berlin, M.A., Director; Mr. B. F. J. van Rensburg, B.Com., B.A., Secretary.

The following members of the teaching staff have been appointed: Dept. of *English*: E. Davis, M.A. Ox.; *Afrikaans*: H. J. J. M. van der Merwe, M.A., D.Litt. Pretoria; *Classics*: F. M. P. Oosterhof, M.A. Pretoria, Cand. Litt. Groningen; *Psychology*: A. S. Roux, M.A. Pretoria; *History*: C. F. J. Muller, M.A. Stell., T. van Wyk, M.A.; *Economics*: K. D. Venter, M.A., L. J. le Roux, M.Sc., B.Com.; *Education*: D. H. Cilliers, M.A., M.Ed.; *Sociology*: J. A. van der Walt, M.A.; *Bantu Studies*: P. J. Coertze, M.A. Stell., Ph.D. Stell.; *Mathematics*: J. H. van der Merwe, M.Sc.; *Law*: D. de Villiers, B.A. Ox.; *Politics*: J. A. Coetzee, M.A., D.Phil.; *Geography*: C. B. Smit, M.A.; *Accounting*: H. Hofmeyr.

SCHOLARSHIPS FOR GRADUATES. Queen Victoria Memorial (women only) and Hiddingh-Currie, each £200 p.a. for 3 yrs. Twelve Exhibitions £80, for Bachelors proceeding to a Master's degree. (v. Introductory Chapter.)

SCHOOL AND MUSIC EXAMNS. The Univ. controls and conducts a *Junior Certificate* examn. of standard 2 yrs. below matricn., and examns. for Music Certifs. and Licentiate Diplomas (for Teachers of Music and Solo Performers).

PUBLICATION. *Calendar* (January).

THE YEAR 1946

HONORARY DEGREES. *D.Litt.*—John Alexander Ross. *D.Phil.*—Mabel Palmer. *LL.D.*—Charles William Henry Lansdown. *D.Sc.*—Henry George Fourcade.

STUDENTS. Full-time: 4154, including 645 graduates. External and part-time: 3696, including 171 graduates.

DEGREES. B.A., 315; B.A. (Fine Arts), 7; M.A., 18; B.D., 5; M.Div., 1; B.A. (Soc. Sci.), 52; D.Phil., 1; LL.B., 17; B.Sc., 110; B.Sc. (Dom. Sci.), 2; B.Sc. (Hyg.), 9; B.Sc. (Eng.), 18; M.Sc., 6; M.Ed., 9; B.Com., 95; M.Com., 3; B.Econ., 8; M.Econ., 1.

UNIVERSITY COLLEGE OF THE ORANGE FREE STATE

(Formerly GREY UNIVERSITY COLLEGE)

Founded 1855

Address—Bloemfontein, O.F.S.

CHAIRMAN OF COUNCIL—Senator J. H. B. REITZ.
VICE-CHAIRMAN—Dr. S. H. PELLISSIER, B.A., D.Ed.
RECTOR—Prof. Dr. H. v. d. MERWE SCHOLTZ, M.A., D.Litt.
REGISTRAR—GEO. P. J. DU TOIT, B.Econ., LL.B.
ASSISTANT REGISTRAR—F. P. LE R. RETIEF, B.A. Stell.
LIBRARIAN—S. I. MALAN, M.A., F.S.A.L.A.

TEACHING STAFF

Accounting and Auditing

Samuels, H. J., M.Com. Prof.

Afrikaans and Dutch

Kok, B., Litt.Docts. Utrecht, M.A., D.Litt. Prof.

Badenhorst, W. J., D.Litt. Pret., M.A. Prof.

Lategan, F. V., M.A. Sr. Lectr.

Beukes, G. J., D.Litt. Pret., M.A. Sr. Lectr.

Astronomy

Paraskevopoulos, J. S., D.Sc.

Athens, A.M. (Hon) Harv.

Dir., Boyden Stn. of
Harv. Univ, Bloem-
fontein, and Hon. Prof.

Botany

Lutjeharms, W. J., Phil.Nat.D. Leiden Prof.

Bakker, E. M. v. Z., Ph.D. Lectr.

Gemmell, Miss D. M., M.Sc. Lectr.

Coetzee, Miss J. A., M.Sc. Witw. Asst.

le Grice, Miss J. S., B.Sc. (Soil Res.) Res. Asst.

Chemistry, Organic and General

Groenewoud, P. W. G., D.Phil. Ox., M.Sc. Prof.

Chemistry, Physical and Applied

Zweerts, F., Chem.Ing. Delft Prof.

Coetzee, J. F., B.Sc. Asst.

Classics and Classical Culture

Ross, J. A., M.A. Cape, D.Litt. Prof.

Steven, S. J. H., B.A. Ox., M.A. Cape T. Prof.

Toerien, W. H., M.A. Stell. Lectr.

Commerce

Fourie, F. C. v. N., B.A., B.Com. Cape T. Prof.

Domestic Science

Members of the staff of the Dom.
Sci. Dept. of the Meisieskool,
Oranje.

Economic Geography

Schmidt, A. A., M.A. Stell. Sr. Lectr.

Economics and Economic History

du Plessis, C. van H., M.A. Stell., M.Sc. Minn., D.Phil. Pret. Prof.

Prinsloo, Miss M. J. M., B Com.

Lectr

Education

Britz, D. P., B A , M.Ed.

Dean of Fac., Prof.

Blignault, H., B.A., B.Ed., D.Ed.

Stell. (Educ Psychol.) Prof.

Loubser, J. W., M.A. Ox. (English)

Prof.

du Toit, J. J , B A. Pret., Phil D.

Amsterdam (Pedagogy)

Sr. Lectr.

Radley, W. S , D Phil (Hist. of

Educ.) Sr. Lectr.

Lategan, F. V , M A. (Afrikaans)

Sr Lectr

Smit, A., M.A , M.Ed. (Hist and

Geog.) Sr. Lectr.

van Rooyen, G. H., B.Sc. (Agric.)

(Hyg. and Nature Study)

Sr. Lectr.

Britton, A. H., B.A. (Phys Educ)

Sr. Lectr.

Venter, E. H. (Woodwork)

Sr. Lectr.

Botha, G., B.A., B Sc., B.Educ.

(Arith.) Sr. Lectr.

Kriel, Miss J. A., B.A. (Elocution)

Sr. Lectr.

Hopewell, Miss D , B.A. (Fine

Arts) (Drawing and Hist. of

Art) Sr. Lectr.

van der Merwe, Rev. A., M.Th.,

M.A. (Bible Hist.).

Cochrane, Miss D. G., (Kinder-

garten).

Niland, Miss P. (Phys. Educ.)

Instr.

Serfontein, Miss E. M. (Phys.

Educ.) Instr.

van den Heever, Miss C. M. Instr.

Venter, Mrs. M. M. Instr.

Karstel, O A. (Singing) Instr.

Welman, H. G., B.Com. (Short-

hand and Typewriting) Asst.

Visser, J. S. (Hyg.).

Domestic Science—Members of

the staff of the Dom. Sci.

Dept. of the Meisieskool

Oranje.

English

Hopwood, D. P., M.A. Ox., D.Litt.

Stell. Prof.

Mackenzie, Miss B. A., M.A.,

D.Litt. Cape T., B Litt. Ox.

Prof.

Loubser, J. W , M A. Ox. Prof.

Mostert, C. W , B A. Sr. Lectr.

Geology and Geography

von Bonde, W., M A., D Sc. Cape

T., F.G S. Prof.

Schmidt, A. A., M.A. Stell.

Sr. Lectr.

le Page, Mrs B M , M Sc. Lectr.

Louw, J., B Sc. Asst.

German and French

Dekker, J. J , Dr phil. Vienna,

M A Prof.

Trümpelmann, J , B A , Dr phil.

Leipzig Lectr.

Block, R Lectr.

Hebrew

Block, M., Dr.phil. Zürich Lectr.

History

Uys, C. J., D.Litt. Pret., M.A. Prof.

Oberholster, J. J., M.A., D.Phil.

Sr. Lectr.

Hygiene

van der Merwe, I. R., B.A., M Ed.

Lectr.

Law

Brink, C. P., K.C.

Dean, Fac. Law, Lectr.

Smit, A. J. Lectr.

Grobler, N. J. Lectr.

Gray, F. W. Lectr.

Van Blerk, P. J. Lectr.

Potgieter, H. Lectr.

de Wet, H. Lectr.

Mathematics (Pure and Applied)

Arndt, W. F. C., B.A. Cape,

Dr.phil. Gött. Prof.

Malan, A. P., M.Sc. (Applied M.)

Prof.

Reitsma, A., B.Sc. Lectr.

<i>Music</i>		Eloff, G., M.A., D Sc. Gron.
Roode, D. J.	Prof.	Sr. Lectr.
van der Merwe, F., B.Mus.	Witw.	
	Sr. Lectr.	
<i>Philosophy</i>		<i>Sociology and Social Work</i>
Malan, G. H. T., M.A.	Cape,	Keyter, J. de W., M.A., B.Ed.
D Phil. Glas.	Prof.	Stell, Dr phil. Mun.
		Prof.
		Malan, G. H. T., M.A.
		D.Phil. Glas.
		Prof.
		Pollissier, Miss H., M.A.
		Sr. Lectr.
		Vorster, H. R., M.A.
		Lectr.
		Prinsloo, Miss M. J. M., M.Com.
		Lectr
<i>Political Science</i>		<i>Statistics and Finance</i>
Strauss, H. J., Docts.Jur	Am-	Arndt, W. F. C., B.A.
sterdam, B.A	Sr. Lectr.	Cape,
		Dr.phil. Gött.
		Prof.
		Malan, A. P., M.Sc.
		Prof.
<i>Physical Education</i> , v. Educa-		<i>Typewriting and Shorthand</i>
tion		Prinsloo, Miss M. J. M., M.Com.
		Sr. Lectr.
<i>Physics</i>		<i>Zoology</i>
Immelman, M N S., M.Sc.	Cape T.	Dreyer, T. F., M.A. Cape, Dr phil.
	Prof.	Halle
		Prof.
v. d. Byl, J., M.Sc.	Stell., A.M	van Pletzen, R., M.Sc. Stell.
Harv.	Sr. Lectr.	Lectr.
Alberts, L., M Sc	Lectr.	Dreyer, Miss M. V., B.Sc.
		Asst.
<i>Psychology</i>		
Schmidt, C. H., M.A.	Stell.,	
B Litt. Ox.	Prof.	

GENERAL INFORMATION

Founded in 1855 by Sir George Grey, the College was reorganized in 1904, constituted a Univ. College in 1907, and incorporated by statute in 1910. It is 2 miles from Bloemfontein town. It provides courses for degrees in Arts, Science, Law, Education, Commerce, Music, Phys. Educn., and professional qualification as social workers, also prelim training for Med. and Chem., Engin., Agric. and Veterinary Science. Facilities are also provided for students preparing for the "Admissie-eksamen" of the Theological Seminary at Stellenbosch. Students have access to the Richardt Library, Railway Library, Archives, War Museum, National Museum, Lamont Observatory and Boyden Observatory.

HOSTELS for men and women within the Coll. grounds. Board and residence, £72 per session. TUITION FEES: £15 per semester (Law, £2: 10s.).

EXTRA-MURAL WORK in the Faculties of Law, Arts and Commerce.

PUBLICATION: *Calendar. Shimla and Irawa.*

THE YEAR 1946

STUDENTS (1946). Full-time: 881, including 58 graduates. Part-time: 250, including 43 graduates.

DEGREES OBTAINED (1946). B.A., 56; M.A., 11; LL.B., 9; B.Sc., 27; M.Sc., 3; B.Com., 22; M.Com., 1; M.Ed., 3.

HUGUENOT UNIVERSITY COLLEGE WELLINGTON, C.P.

Founded 1907

Address—Wellington, Cape.
Cables—Univcoll, Wellington, Cape.

CHAIRMAN OF SENATE AND REGISTRAR—ANNA J. D. DE VILLIERS, M.A.,
D.Litt.

TEACHING STAFF

<i>Botany and Biology</i>		<i>Education</i>	
Smyth, Leslee, B.Sc.	Lectr.	Aitken, Dorothy E., M.A. Ox., B.A.	Prof.
<i>Chemistry</i>		<i>English Lang. and Lit.</i>	
van der Stichele, Paule, M.Sc.	Prof.	Mackay, Jean, M.A.	Prof.
<i>Classics</i>		<i>German</i>	
Young, Annie M., LL.B. Lond., Classical Tripos, Camb.	Sr. Lectr.	Baudert, Hildegard, M.A.	Sr. Lectr.
<i>Domestic Science</i>		<i>History and Sociology</i>	
Rogers, Doris G.	Sr. Lectr.	Ventris, Eileen M. E., B.A. Lond.	Sr. Lectr.
Paton, Mary L.	Lectr.	<i>Mathematics</i>	
Roux, Diederika, B.Sc. (Dom. Sc.)	Lectr.	Van Wageningen, A. J., B.Sc.	Lectr.
Malherbe, C. A.	Lectr.	<i>Philosophy</i>	
<i>Dutch Lang. and Lit.</i>		Robson, Grace M., B.A. Cape	Prof.
Gonin, Frances C., M.A. Stell., Litt.Dra. Amsterdam	Prof.	<i>Physics</i>	
		Loots, Anna M., B.Sc. Stell.	Lectr.

GENERAL INFORMATION

Originally a department of the Huguenot Seminary founded by Dr. Andrew Murray in 1874, the College was incorporated by Act of the Cape Legislature in 1907 as a College for Women and became a constituent College of the Univ. in 1918.

LIBRARY, over 16,000 vols. **LABORATORIES**, Chem., Physics, Dom. Sc., Physiol., Psych., Biol., Microbiol.

COURSES for B.A., B.Sc., B.Sc. (Dom. Sc.) ; M.A., and Diploma in Education. Teachers' Dom. Science Diploma and special One-year Courses.

EXPENSES. Class Fees, £30 per annum. Board at the College Hostel, £60 p.a. **PUBLICATION**: *Calendar* (Dec.).

THE YEARS 1946, 1947

STUDENTS (1947). Full-time: 126, including 8 graduates. Part-time: 3.

DEGREES OBTAINED (1946). B.A., 7 ; B.Sc., 6 ; B.Sc. (Dom. Sc.), 2 ; Univ. Educ. Dipl. (General), 8 ; Univ. Educ. Dipl. (Technical), 1 ; Univ. Educ. Dipl. (Non-graduate), 1 ; Teacher's Certif. in Domestic Sci., 3 ; Special One-year Course, 9.

NATAL UNIVERSITY COLLEGE PIETERMARITZBURG, AND DURBAN, NATAL

Founded 1909

Address—P.O. Box 375, Maritzburg. P.O. Box 1525, Durban.
Telegrams—Univcoll, Maritzburg. Comcoll, Durban.

CHAIRMAN OF COUNCIL—Senator W. J. O'BRIEN, O.B.E., D Phil.

PRINCIPAL—E. G. MALHERBE, M.A., Ph D.

REGISTRAR—P. G. LEEB-DU-TOIT, B.Com.

TEACHING STAFF

Accountancy (D.)

Brown, H. J. L., B.Com. (General
Comm. Knowledge)

Pt.-time Lectr.

Fairbairn, W. J. (Trustees' and
Executors' Accounts)

Pt.-time Lectr.

Tod, N. S. (Acctg.) Pt.-time Lectr.

Walker, R., B.Com. (Comm. Arith.)

Pt.-time Lectr.

Architecture and Quantity Sur- veying (D.)

McDonald, D. C.

Actg. Hd. of Dept., Pt.-
time Lectr.

Tomkins, S N., B.Arch. (Design)

Pt.-time Lectr.

Powers, F. W. (Hist. of Archit.)

Pt.-time Lectr.

Mullins, D. C., B.Sc. (Eng.), (Theory
of Struct.) Pt.-time Lectr.

Leigh-Hunt, C. J. (Specifications
and Quantities) Pt.-time Lectr.

Brandt, Miss H., B.A. (Fine Arts)
(Drawing, Rendering)

Pt.-time Lectr.

Godfrey, N. E. (Sanitation and
Hyg.) Pt.-time Lectr.

Levick, C. A. L., B.Arch. (Design
and Town Planning)

Pt.-time Lectr.

Simpson, H. O. (Quantities)

Pt.-time Lectr.

Simpson, J. C., A.A. Dipl. Lond.
(Hist. of Arch.)

Pt.-time Lectr.

Williams, J. B. (Quantities)

Pt.-time Lectr.

Bennet, R. C. C. (Design)

Pt.-time Lectr.

Botany

Bayer, A. W., D.Sc.

Prof.

Fisher, Beryl S., M.Sc.

Sr. Lectr.

Clarkson, Miss D., B.Sc.

Temp. Lectr.

Huntley, Kathleen

Herbarium Asst.

Chemistry and Chemical Tech- nology

Warren, F. L., B.Sc., Ph.D. Lond.,
D.I.C., F.R.I.C.

Prof.

Denison, R. B., Ph.D. Breslau,
D.Sc. Leeds and S.A.

Emeritus Prof.

MacKenzie, H. A. E., M.Sc.,
D.I.C., Ph.D. Lond.

Sr. Lectr.

Valentin, F. H. H., M.Sc.

Lectr.

Bok, L. D. C., M.Sc. (Chem.),
M.Sc. (Geol.)

nat. Leipzig
Lectr.

Candy, H. A., M.Sc.

Lectr.

(D.) = Durban.

Classics

- Davies, O., M.A. Ox., D.Litt.
Dub. Prof.
Farrer, B. H. P., B.A. Ox., M.A.
Lectr.
Bowden, N. H., B.A. N.Z.
Pt-time Lectr. (D.)

Commerce (D.)

- Kelly, T. H., M.Com., Ph.D. Prof.

Dutch

- Nienaber, G. S., D.Litt. Ghent,
M.A., M.Ed. Prof.
Terblanche, H. J., M.A., D.Litt.
Pretoria Sr. Lectr.
Grobler, P. du P., M.A. Lectr.
Grové, A. P., M.A. Lectr.

Economics (D.)

- Burrows, H. R., M.C., E.D.,
M.Com. Leeds Hudson Prof.
Randall, R. J., B.Com. Witw.
Sr. Lectr.
Hurwitz, N., B.Com. Lectr.
Stent, G. E., B.A. Lectr.
Smith, R. H., M.Com.
Res. Fellow.
Ngcobo, G., M.A. Yale, B.A.,
B.Econ.
Dunlop African Res.
Fellow.
Thornhill, W., B.Sc. (Econ.) Lond.
Civics Res. Fellow.
Naidoo, V. S., B.A., B.Com.
Res. Asst.
Nomvete, B., B.A. (Soc. Sc.)
Creteweld Res. Scholar.

Education

- Ferguson, J. G. W., M.A. Ox. and
St. And. Prof.
Allsopp, A. H., B.A., M.Ed.
Assoc. Prof.
Schmidt, W. H. O., Ph.D. Leipzig,
M.A. Sr. Lectr.

Engineering, Electrical (D.)

- Clark, H., B.Sc. (Eng.) Lond.,
D.I.C. Prof.

- Phillips, W. E., D.Sc. (Eng.)

- Sr. Lectr.
Grimmond, R., B.Sc. Cape T.
Lectr.
Levin, A., B.Sc. (Eng.) Witw.
Lectr.
Brinkworth, A. G. Techn.

Engineering, Mech and Civil (D.)

- Neal, J. H. Prof.
Thomas, W. M., B.Sc. Wales,
B.Sc. (Eng.) Leeds Prof.
Reim, E. P., B.Sc. (Eng.)
Sr. Lectr.
Leeman, E. R., B.Sc. (Eng.) Lectr.
Kramer, P. J., Dip. Ing Delft
Lectr.
Thorpe, H. D. Techn.
Booth, C. H. Techn.

English

- Durrant, G. H., M.A. Camb Prof.
Gardner, W. H., Ph.D. Lond
Sr. Lectr.
Sneddon, Elizabeth, M.A. Glas.
Sr. Lectr.
Broad, F. L., B.A. Camb. Lectr.
Sands, R., B.A. Lond. Lectr.

Fine Arts

- Oxley, O. P. J. Prof.
Hope, Rosa S. Sr. Lectr.
Rose, Hilda L., B.A. Lectr.
Long, G. Lectr.

French

- Niddrie, Mary K., Ph.D. Lond.,
M.A. Sr. Lectr.

Geography

- Jehu, R. M., M.Sc. Wales, F.G.S.
Prof.
Buchanan, K. M., B.A. Birm.
Lectr.
Niddrie, D. L., B.Sc. Lectr.

Geology

- King, L. C., D.Sc. N.Z., Ph.D.,
F.G.S. Prof.
Frankel, J. J., D.Sc. Cape T.,
M.Sc. Lectr.

- German*
Schmidt-Imms, Maria, Ph.D.
Leipzig Temp. Sr. Lectr.
- History, Political Science and Econ. Hist.*
Hattersley, A. F., M.A. Camb,
F.R.Hist.S. Prof.
Prestwich, M. F., B.A. Camb.
Sr. Lectr.
Rees, A. W., M.A. Wales Sr. Lectr.
MacDonald, Mrs F. M., M.A.
Glas. Lectr.
Young, L. M., Ph.D. Camb., M.A.
Lectr.
Palmer, Mrs. M., M.A. Glas
Pt-time Lectr. (D.)
- Law*
Burchell, F. B., M.A., LL.B.
Camb Prof.
Sweeney, G. M. J., B.A., LL.B.
Assoc. Prof.
Seymour, G. E. M., B.A., LL.B.
Sr. Lectr.
Lansdown, A. V., B.A., LL.B.
Sr. Lectr.
- Mathematics, Pure and Applied*
McKinnell, J., M.A., B.Sc. Glas.
(Pure M.) Prof.
Stein, P., M.A., Ph.D. Camb, B.A.
Cape (Applied M.) Prof. (D.)
Rosenberg, R. L., M.A. Cape,
Ph.D. Berlin, D.I.C. Lond.
Sr. Lectr.
Steyn, H. S., M.Sc. Sr. Lectr.
Schuddeboom, F. J., Phil.Cand.
Leiden, M.Sc. Stell.
Lectr. (D.)
- du Plessis, N., B.Sc. Witw. Lectr.*
Philosophy
Findlay, J. N., M.A. Ox., Ph.D.
Graz., D.Phil. Prof
- Physics*
Hodges, D. B., B.A. Cape, M.Sc.,
Ph.D. Cape T. Prof. (D.)
Courtts, J. R. H., M.Sc. Lond.,
D.Sc., F.Inst P. Prof.
Scott, H. W., M.Sc. Lectr.
- Psychology*
Yule, Ella T. Pratt, M.A., Ph.D.
St. And. Hd. of Dept.
Notcutt, B., M.B.E., B.A. Ox.,
D.Ph. Stell. Prof.
Hunkin, Verona, B.A. Lectr.
- Sociology and Social Work (D.)*
de Vos, P. J., M.A. Pret, D.Phil.
Sr. Lectr.
Badenhorst, L. T., M.A. Stell.
Lectr.
Murray, C. A. M., B.Sc., M.B.,
B.Ch. Witw., D.P.H. (Per-
sonal and Public Hyg)
Pt-time Lectr.
- Social Anthropology (D.)*
Krige, J. D., B.A., LL.B. Prof.
- Zoology* [Prof.
Bush, S. F., D.Phil. Ox., M.Sc.
Ewer, D. W., M.A. Camb., Ph.D.
Birm. Lectr.
Ewer, R. F., B.Sc., Ph.D. Birm.
Lectr.
- Zulu (D.)*
Malcolm, D. McK. Temp. Lectr.
- (D.) = Durban.

GENERAL INFORMATION

Established by an Act of 1909, the College was opened in 1910 in the Town Hall and moved in 1912 to its own buildings (which, with equipment, cost £60,000) in the suburb of Scottsville. A new Science block and a women's hostel were added in 1921 and a hostel for men in 1928. A new wing was added in 1934 at Pietermaritzburg and a Library and Fine Arts School in 1936. Students have access to Maritzburg *Botanical Gardens* and Govt. *Museum*.

In 1926 a site of 50 acres at Stellawood was presented by the Corporation for the erection of an Engineering College, £50,000 having been given in 1924

by Mr. T. B. Davis for this purpose. Natal University College (Howard College), Durban, was opened in 1931. A new Commerce Building in Durban was added in 1936.

A Students' Union was erected at Pietermaritzburg in 1939.

In 1947 a new Science Block was erected in Durban at a cost of £70,000 and a start made on a Biological Sciences Building in Pietermaritzburg at a cost of £60,000. A Wattle Research Institute Building at a cost of £20,000 was also commenced on a site of 47 acres donated to the College by the Maritzburg City Corporation for the Faculty of Agriculture which was established in 1947. In 1946 a further 60 acres at Stellawood was donated to the College by the Durban Corporation.

COURSES leading to the B.A., B.A. (Fine Arts), B.A. (Social Science), B.Com., B.Sc., B.Sc. in Agric., M.A., M.Sc., M.Ed., LL.B., Natal Law Certif. and Natal Advocates' Law examn., Survey examn. (theory only). 1st yr. course for medical students. Diploma (postgraduate) in Education. Faculties of Engineering and Commerce, inclusive of Economics, are located in Durban.

FEES. Approximately £40-£50 p.a. for tuition, registration, Students' Representative Council, etc.

BURSARIES. A number of Bursaries are offered by municipalities, societies, schools, and by the College itself.

HOSTELS for women and men students. Fees, £82 · 10s. p.a.

LIBRARIES. c. 23,000 vols. at Pietermaritzburg and 17,000 in Durban.

PUBLICATIONS. *Calendar* (March). Students' newspaper, *N.U.X.* (monthly).

THE YEARS 1946, 1947

BENEFACTIONS. Pietermaritzburg Municipality, £1250; Durban Municipality, £4000. University of Natal Development Fund (Sundry Donors), £340,000.

NEW BUILDINGS. See "General Information," *supra*.

OTHER DEVELOPMENTS. Wattle, Sugar Millers' and Paint Industries Research Institutes have been founded. A Medical School in Durban is contemplated in the near future.

RETIREMENTS (1947). Prof. P. Mesham (Physics); Mr. A. D. Mudie (Chem.).

DEATH (1946). Prof. J. J. le Roux.

STUDENTS (1947). Full-time: 1016. Part-time: 868.

DEGREES OBTAINED (1946). B.A., 66; M.A., 4; B.A. (Fine Arts), 3, Soc. Sci., 10; LL.B., 1; B.Sc., 20; M.Sc., 2; B.Sc. (Eng.), 24; M.Sc. (Eng.), 1; B.Com., 13; M.Com., 1; D.Sc., 1; Ph.D., 1; M.Ed., 1.

THE POTCHEFSTROOM UNIVERSITY COLLEGE FOR CHRISTIAN HIGHER EDUCATION TRANSVAAL

Founded 1869

Address—Potchefstroom, Transvaal.

CHAIRMAN OF COUNCIL—Rev. H. J. R. DU PLESSIS.

RECTOR AND CHAIRMAN OF THE SENATE—Prof. F. POSTMA, D.Litt.
Amst.

SECRETARY OF COUNCIL AND SENATE—Prof. J. C. VAN ROOY, Ph.D.
Amst., M.A.

REGISTRAR—S. DU TOIT.

LIBRARIAN—H. C. VAN ROOY, M.A.

ORGANIZING SECRETARY—G. P. SCHOEMAN, B.Com. Pretoria, B.A.

TEACHING STAFF

Accounting and Auditing

Jooste, F. J., B.Com. Stell.

Sr. Lectr.

van Deventer, B., B.Com., B.Econ.
Lectr.

Bantu Language

Kaske, Rev. E Temp. Asst.

Botany

Goossens, A. P., Ph.D., D.Sc.

Prof.

Botha, P. J., M.Sc. Sr. Lectr.

Papendorf, M. C., M.Sc., Ph.D.
Lectr.

Chemistry

du Plessis, D. J., Ph.D. Bonn,
M.Sc. Prof.

Tiedt, J., M.Sc. Lectr.

van den Berg, J. A., M.Sc. Lectr.

Commerce and Industrial Or- ganization and Management

Viljoen, D. J., M.Com. Sr. Lectr.

Domestic Science

Haarhoff, Miss I. v. G., B.Sc.
(Dom. Sci.) Stell. Lectr.

Dutch and Afrikaans

Dekker, G., D.Litt. Amst., M.A.

Prof.

Labuschagne, F. J., M.A. Prof.
Venter, H., M.A. Lectr.

Economics

van der Merwe, J. P., D.Litt.
Amst., M.A. Prof.

van Deventer, B., B.Com., B.Econ.
Lectr.

Education

Coetzee, J. C., M.A., M.Ed.,
D.Phil. Prof.

van der Merwe, P. J., M.A. Witw.
Hon. Prof.

Bingle, H. J. J., M.A., D.Phil.
Sr. Lectr.

English

Davies, R. E., Ph.D. Lond., M.A.
Prof.

Fourie, I. J. v. H., M.A., D.Phil.
Sr. Lectr.

Jenkins, Mrs. V., M.A. Temp. Lectr.

Geography

van der Merwe, J. S., M.Sc., M.A.
Prof.

Duvenage, J. P., M.A. Lectr.

Geology

Ackermann, P. B., M.Sc. Cape
Sr Lectr
Bisschoff, A. A., B.Sc. Asst. Lectr

German

Schulze, H. G., Ph.D. Bonn, M.A.
Dean and Prof.
Brandt, P. A., D.Phil. Leipzig,
M.A. Lectr.

Greek

Postma, A., B.A. Sr Lectr.

History [Prof.]

Kruger, D. W., M.A., D.Litt.
du Plessis, J. S., M.A. Sr. Lectr.

Latin

Coetzee, W. N., M.Ed. Stell., M.A.
Sr. Lectr.

Law

Joubert, W. A., M.A., LL.B.
Stell. Sr. Lectr.

Mathematics and Applied Maths.

van Rooy, D. J., M.A. Prof.
Robbertse, W. P., M.Sc.

Sr. Lectr.

de Wet, J. M., B.Sc. (Eng.) Witw.,
M.Sc. Lectr.

Mercantile Law

Joubert, W. A., M.A., LL.B. Stell.
Sr. Lectr.

Music

Malan, J. P., B.A. Sr. Lectr.

Pharmacy

de Vos, W. Lectr.

Philosophy

Stoker, H. G., Ph.D. Köln, M.A.
Prof.

Taljaard, J. A. L., B.A. Asst.

Physical Education

Smith, D. P. J., Dipl. Turn.,
Sport- u. Gymn.-Lehrer, B.A.,
M.Ed. Sr. Lectr.
de Wet, Miss K. M., B.A. Lectr.

Physics

van Wageningen, G., Nat. Phil.
Cand Amst Prof.

Botha, H. de W., M.Sc. Stell.
Lectr.

van der Mark, J., B.Sc. Lectr.

Physiology

Hamersma, P. J., M.Sc., D.Sc.
Pretoria Sr. Lectr.

..... Temp. Lectr.

Psychology

Hattingh, J. M., B.A., D.Phil. Prof.
Schoeman, C. F., B.A. Asst.

Semitic Languages

du Toit, S., M.A. Pret., M.Div.,
D.D. Prof.

Kroeze, J. H., Theol. Dr. et Litt.
Sem. Drs. Amst. Sr. Lectr.

Shorthand and Typing

Karberg, Miss M. E. E. R.,
B Com. Lectr.

Social Work

Coetzee, J. H., M.A. Sr. Lectr.
Viljoen, Miss C., B.A. (S W.)
Pretoria Lectr.

Sociology

du Preez, D. C. S., M.A. Witw.,
Ph.D. Amst. Prof.

Coetzee, J. H., M.A. Sr. Lectr.

Theology

du Toit, J. D., D.D., D.Litt. Amst.
Prof.

du Toit, S., M.A. Pret., M.Div.,
D.D. Prof.

van Rooy, J. C., M.A. Prof.
Snyman, W. J., B.A., B.D. Prof.

Jooste, J. P., B.A., B.D., D.D.
Prof.

Zoology and Biology

Eiselen, G. T. S., M.Sc. Witw.
Prof.

van Eeden, J. A., M.Sc. Stell.

van Schaik, Miss M. W., M.Sc.
Lectr.

..... Temp. Asst.

GENERAL INFORMATION

Founded 1869, and admitted in 1921 as a Constituent College of the Univ. of South Africa. An Amendment to the Potchefstroom University College Private Act was passed by Parliament in 1933. The full title of the College under this Act is now "The Potchefstroom University College for Christian Higher Education."

PUBLICATIONS. *Calendar* (Dec.); *Die Veteraan*, annual for past students (Nov.); *Koers*, periodical (bi-monthly).

THE YEAR 1947

BENEFACTIONS. £6314 from public donations towards building fund.

NEW BUILDINGS. Geology and Psychology Labs. and also extensions to Zoology and Physics Labs. completed at a cost of £26,000. Piece of ground near Univ. grounds, 16 morgen in extent, acquired at cost of £16,000 mainly for Dept. of Phys. Educn.

NEW DEPARTMENTS AND COURSES Physiol., B.P.Ed., B.Ed., D.Ed., Hons. B.A., Hons. B.Sc., Hons. B.Com, Hons B.Econ. The Classics Dept. has been separated into Greek Dept. and Latin Dept. Geog. and Geol. Dept. separated into Geog. Dept. and Geol. Dept. Faculty of Social Science instituted.

NEW POSTS. Senior Lectureships in Latin, Hist. and Zool. Assistantships in Philos. and Psychol.

RESIGNATIONS. Mr. S. J. du Toit (Physics), apptd. to National Physics Laboratory; Mrs. H. D. Knobel (Soc. Sci.).

STUDENTS. Full-time: 742, including 151 graduates. Part-time: 74.

DEGREES OBTAINED. B.D., 4; B.A., 62; B.A. (S.S.), 12; M.A., 4; B.Sc., 28; M.Sc., 2; B.Com., 25; M.Ed., 10; D.Phil., 4.

RHODES UNIVERSITY COLLEGE

Founded 1904

Address—P.O. Box 94, Grahamstown, C.P. Telegrams—"Rhodescol."

CHAIRMAN OF COUNCIL—The Rt. Rev. THE LORD BISHOP OF GRAHAMSTOWN.

VICE-CHAIRMAN OF COUNCIL—H. PARKER.

MASTER AND CHAIRMAN OF SENATE—.....

HON. TREASURER—J. T. YEOMANS.

REGISTRAR—A. E. SHIELDS, M.B.E., B.A. Camb.

CARNEGIE LIBRARIAN—F. G. VAN DER RIET, M.A. Stell., Dr. de l'Univ. de Paris.

TEACHING STAFF

Anatomy and Physiology

Thomson, Miss N., M.S. Smith
Lectr.

Art

Winter Moore, A. Prof.
Guiton, Mrs. N. M. Sr. Lectr.
Evans, D. L. Lectr.
Fox, Mrs. B. Craft Teacher.

Bantu Studies

Wilson, Mrs. M. M., M.A., Ph.D.
Camb. Prof.
..... Lectr.
Mahlasela, B. E., B.A.
(Xhosa) Lectr.

Botany

Smith, N. J. G., M.A., B.Sc.
Edin., Ph.D. Camb., F.L.S.,
F.R.S.S.Af. Prof.
Isaac, W. E., B.Sc., Ph.D. Wales
Sr. Lectr.
Martin, A. R. H., B.A. Camb.
Lectr.

Chemistry

Barker, W. F., B.Sc., Ph.D. Liv.,
F.R.I.C., F.R.S.S.Af. Prof.
Verdier, E. T., D. ès Sc. Physiques
France, M.Sc. Lectr.
Jacobs, P. W. M., M.Sc. Lectr.
Silk, M. H., M.Sc. Temp. Lectr.

Faure, B. K., B.Sc. Temp. Lectr.
Steyn, W. J. A., M.Sc.
Temp. Lectr.

Classics

White, K. D., B.A. Liv., M.A.
Camb. Prof.
Whiteley, S., M.A. Ox. Sr. Lectr.
Tillyard, H. J. W., M.A. Camb.,
D.Litt. Edin. Lectr.

Commerce, Accounting, Business Management, etc.

Liddell, D., M.A., B.Com. Edin.
Prof.
Waldeck, T. J. H., M.Com.
Sr. Lectr.

Divinity

Davies, Rev. D. H. N., M.A., B.D.
Edin., D.Phil. Ox. Prof.
Cosser, Rev. W., M.A., B.D. Glas.
Sr. Lectr.
Synge, Rev. F. C., M.A. Camb.
Temp. Lectr.
Hewson, Rev. L. A., B.A. Witw.,
M.A. Camb. Temp. Lectr.
McDowall, Rev. J., M.A. Glas.
Temp. Lectr.
Stephenson, Rev. C. R., M.A.
Camb. and Cape T., B.D.
Lond. Temp. Lectr.

Dutch

Louw, W. E. G., M.A., Litt.Drs.
Amsterdam, Ph.D. Cape

Prof.

Hendrikz, Miss P. A., M.A.

Sr. Lectr.

Mulder, H. A., Cand.Litt.Neerl
Amsterdam, M.A. Pret. Lectr.

Economics and Politics

Houghton, D. H., M.A. Ox., B.A.
Prof

Threltoll, R. L., B.Com.

Temp Sr Lectr

Slee, A. T. C., B.Sc. (Econ.) Lond.,
M.A. Lectr.

Rose, H., M.A. Ox. Temp. Lectr.

Education

Morton, D. M., B.Sc., M.A., Ed.B.
Glas. Prof.

Baer, G. F. A., M.A., M.Ed. Witw.
Sr. Lectr

Hendrikz, Miss P. A., M.A. Lectr.

Gerber, J. J., B.A. Stell.

Hon Lectr.

Instructors

Emslie, Miss M. (Needlework).

v Rensburg, P. J. (Woodwork).

Staff of Music Dept. (Singing)

Sieverdink, Mrs. A. H. J. (Type-
writing and Shorthand)

Staff of Art School (Art).

Staff of Phys. Ed. Dept. (Phys.
Training).

Engineering

[Sr. Lectr.

Hoxey, S. C., M.Sc. (Eng.) Lond.

Newton, F. E., B.A. Camb.
(Graphics) Temp. Lectr.

Reid, J. M. Workshop Instr.

English

Haworth, P., M.A. Manc., Ph.D.
Innsbruck, B.Litt. Ox. Prof.

Seary, E. R., M.A., Ph.D. Sheff.
Sr. Lectr.

Danckwerts, Miss E. A., M.A.
Lectr.

Christie, Miss K. J. H., M.A. Lectr.

French

Hérissou, C. D., L. ès L. Toulouse,
M.A. Lafayette, D. en Droit
et en Sc Econ Toulouse Prof.

Tricaud, Miss M. L. Lectr.

Geography

Rennie, J. V. L., M.A. Cape, Ph.D.
Camb., Geog. Dip. Lond.,
F.R.S.S. Af. Prof.

Forbes, V. S., M.A. Camb.
Sr. Lectr.

Geology and Mineralogy

Mountain, E. D., M.A. Camb. Prof.

Ruddock, A., B.Sc. Durh.
Sr. Lectr.

German

Meyer, C. J., Cand.Lit.Germ.
Amsterdam Sr. Lectr.

History

[Prof.

Roberts, M., M.A., D.Phil. Ox.

Maxwell, Mrs. J., M.A. Ox.

Temp. Sr. Lectr.

le May, G. H., B.A.

Temp. Lectr.

Ichthyology

Smith, J. L. B., B.A. Cape, M.Sc.
Stell., Ph.D. Camb.

Research Prof.

Law

Beinart, B., B.A., LL.B. Cape,
LL.M. Lond. Prof.

Sampson, H. F., B.A. Ox. Sr. Lectr.
Lectr.

Mathematics, Pure and Applied

Burnett, D., M.A., B.Sc. Aberd.,
M.A., Ph.D. Camb.,
F.R.S.S. Af. Prof.

King, J. W., M.Sc. Sr. Lectr.

Pretorius, W. J., M.Sc. Lectr.

Music

Hartmann, F. H., Dr. Jur. Vienna
Prof.

de Plessis, H., B.A. Stell., B.Mus.
Lectr.

Graham, A. H. Lectr.

Philosophy

Barratt, A. J., M.A. Ox. Prof.

Stoker, Miss F. M. L., M.A. Lectr.
Andrejewski, S., B.Sc. Lond.*Physics*Varder, R. W., M.A. Cape Prof.
Watson, S. W., B.A. Cape, M.A.,
Ph.D. Camb. Sr. Lectr.
Szendrei, M. E., M.Sc., Ph.D.Lectr.
White, Mrs. I. H. B., M.A. St.
And, Dip Soc.Stud. Edin.
(Personnel Management)
Lectr.*Survey*Lectr
Stroh, A. N., M.Sc. Lectr.
r Mech. Asst.Harcourt-Wood, A. H., M.A. Cape
Sr. Lectr.*Zoology**Physical Education*Locke, E. E., B.Sc. S.A. Sr. Lectr
Powell, J. T LectrOmer-Cooper, J., M.A. Camb.,
M.Sc. Durh., F.L.S. Prof.
Lyle, Miss A., M.Sc. Lectr.
van Hille, J. C., M.Sc., Ph.D.
Utrecht Lectr.
v. d. Westhuizen, C. M., B.Sc.
Stell. Temp. Lectr.
Glaholm, Miss J., B.Sc. Asst. Lectr.*Physiology, v. Anat. and Physiol**Psychology*Wild, E. H., Ph.D. Lond., M.Sc.,
F.B Ps.S. Prof.
Willhams, W. H., B.A., Dip Ed.
Melb., M.A., Ed.D. Stanford
Sr. Lectr.*Leather Research Institute*Shuttleworth, S. G., M.Sc., Ph.D.,
F.R.I.C. Director and Prof.
Cunningham, G. E., B.Sc., Ph.D.
Leeds Lectr.*Social Science*

Irving, J., B.A. Camb. Prof.

GENERAL INFORMATION

Incorporated 1904. A Constituent College of the Univ. of South Africa. For historical sketch, see *Yearbook* for 1929, p. 505.

FINE ART. The College possesses a school specially built for the teaching of Fine Art and the Art Crafts, adjoining the local art gallery.

LIBRARY. 76,000 vols. Access to Grahamstown Public Library (large collection of "Africana"). **CORY LIBRARY.** Collection of material regarding the history of the Eastern Districts of South Africa. A full-time research officer (Mrs. U. Gill) and two assistants are engaged on this work.

LABORATORIES. Applied Maths., Bot., Chem., Geog., Geol., Metall., Mineral., Phys., Phys. Chem., Psychol., Zool., Phys. Educn. and Ichthyol. and Entomol. Access to Herbarium and Mineral Collection of Albany Museum.

LEATHER RESEARCH INSTITUTE (cost, £20,000). A building containing laboratories specially designed for research on tanning leathers, etc., for the whole of South Africa. The funds are provided by the industry and the Council for Scientific and Industrial Research.

PERSONNEL WELFARE. Research and advice on workers in factories and training of graduate students for the Personnel Welfare Diploma.

ENGINEERING DEPARTMENT. Students taking B.Sc. (Engin.) and for technical advice to factories engaged in the Tanning and Leather industry.

COURSES. B.A., B.A. (Soc. Sci.), B.Sc., B.Sc. (Phys. Ed.), B.Sc. (Eng.), B.Com., B.Econ., each 3 yrs.; B.A. (Fine Arts), Mus.Bac., 4 yrs. Dip. in Surveying and Dip. in Bantu Studies, each 2 yrs. Dip. in Personnel Welfare and

Management, 1½ yrs. Diplomas in Music, Theol. and Soc. Studies. Post-graduate—Univ. Dip. in Educ., 1 yr.; Hons. B.A., B.Sc. and B.Com., Leather Research Dip., Dip. in Anal. Chem., 1 yr.; M.Ed., 1½ yrs. after obtaining degree and U.E.D.; M.A., M.Sc., 1½ yrs.; M.Com., 1½ yrs., LL.B., 2-3 yrs. after obtaining B.A.; Ph.D. minimum, 2 yrs.' research after M.Sc., D.Phil., D.Litt.

FEES. Approximate annual fees: B.A., £44; B.Sc., £55; B.Com., £44; B.A. (Fine Arts), £45; LL.B., £56. This charge covers registration, examns., tuition and laboratory fees, library, athletics, Students' Societies.

COLLEGE SCHOLARSHIPS open to graduates: 2 of £32; 1 of £40.

COLLEGE BURSARIES open to graduates: 1 of £75.

HALLS OF RESIDENCE. Founder's, for 184 men ("College," "Botha," "Cory" and "Matthews" Houses); Drostdy, for 160 men ("Struben" and "Graham" Houses); Jan Smuts, for 200 men ("Milner," and a new house being erected). Oriel, for 190 women ("Oriel," "Jameson" and "Beit" Houses); St. Mary's, for 180 women ("Phelps," "John Kotze" and "Olive Schreiner" Houses). Residence (single room), £80 p.a.

PUBLICATIONS. *Calendar* (November); *The Rhodian* (twice a year).

THE YEAR 1947

BENEFACTIONS Annual Grants: Municipal and Divisional Councils of Eastern Province, £2500; S. Rhodesian Govt., £750; African Explosives and Chemical Industries, £5000 for Entomol.; Hugh le May, Esq., Research in Ichthyology, £5000; advanced work in Arts (Hist., Philos., Langs., etc.), £10,000.

NEW BUILDINGS. Physical Education Institute; Engineering Dept., new laboratories, costing £20,000; Botany/Zoology Dept., additional laboratories costing £15,000; Geology Lab. and lecture rooms, costing £30,000; additional labs. for Phys. Chem., costing £5700; new Geog. Lab., costing £43,000; extension of sports grounds, costing £5000; Oriel Hall—extension to Beit House; Jan Smuts Hall—new Dining Hall and large House (Jan Smuts house for 123 students).

NEW DEPARTMENTS. Sociology; Engineering; Physical Education; Survey; Divinity; Research in Ichthyology.

NEW COURSES. Engin., Phys. Ed., Music Dip.; Leather Industries Research Dip.; Personnel Welfare and Management Dip.; Social Science Degree; Soil Conserv. Degree course and postgraduate course.

EXTRA-MURAL WORK. Extension lectures by members of the staff in the Eastern Province. Wireless Talks by members of the College staff, and broadcast from the Grahamstown station of the African Broadcasting Corporation.

RESIGNATIONS. W. O. Spike (Fine Arts); Miss G. Neuendorff (Hist.); Miss M. T. Martin (Lady Warden, St. Mary's Hall).

RETIREMENTS. J. Smeath Thomas (Master); E. B. Walker (Registrar).

HONORARY DEGREES. LL.D.—Hon. Mr. Justice C. W. H. Iansdown. D.Sc.—H. G. Fourcade.

STUDENTS. Full-time: 1048, including 89 graduates. Part-time: 3, including 1 graduate. Of the total of 1051, 317 are ex-volunteers returned from Service.

DEGREES OBTAINED. B.A., 68; B.A. (Social Science), 17; B.A. (Fine Arts), 3; M.A., 6; LL.B., 2; B.Sc., 24; M.Sc., 2; B.Com., 15; Univ. Education Diploma, 32; Survey Diploma, Pt. I, 5; Pt. II, 3; Personnel Welfare and Man. Diploma, 2.

UNIVERSITY OF PRETORIA

Founded 1930

Address—Brooklyn, Pretoria. Telegrams—Puniv, Pretoria.

CHAIRMAN OF COUNCIL—F. MEYER, B.A. Cape, M.Sc. Stell., Dr.Ing. Berlin.

CHANCELLOR—H. J. VAN DER BIJL, M.A., Ph.D.

VICE-CHANCELLOR AND RECTOR—.....

REGISTRAR—J. C. V. BREYTENBACH, B.A., LL.B.

LIBRARIAN—P. C. COETZEE, B.A. S.A., M.A.

TEACHING STAFF

Accountancy, v. Commerce

Agriculture, v. *infra*

Architecture and Quantity Surveying

Meiring, A. L., B.A. Cape, B.Arch. Liv. (Design, Bldg. Construction, Acoustics) Prof.

Louw, T. H., B.Sc. (Q.S.) (Quantities, Mensuration, Professional Practice, Analysis of Bldg. Costs, Valuations and Reports, Estimates and Bldg. Finance) Sr. Lectr.

South, B. H. Lectr.
12 Pt.-time Lecturers.

Bantu Studies

Engelbrecht, J. A., M.A. Stell., Ph.D. Berlin (Bantu Langs.). Prof

Ziervogel, D., M.A. Lectr.

Beukes, W. T. H., B.A. S.A., Ph.D. Hamburg (Native Admin.)

Sr. Lectr.
2 Pt.-time Lectrs., 2 Demrs.

Biochemistry, v. also *infra* Vet. Science and Agric.

Marais, J. S. C., D.Sc. Sr. Lectr.

Botany and Biology v. also Vet. Science

..... Louis Botha Prof.

Mes, M. G., B.Sc., Ph.D. Utrecht Prof

Schweickerdt, H. G. W. J., B.Sc. S.A., Ph.D. Bonn Sr. Lectr

Gouws, J. B., M.Sc. Lectr

Theron, J. J., M.Sc. S.A., D.Ph. Berlin Lectr

2 Tech. Assts., approx. 10 Demrs

Chemistry

3 Tech. Assts.

Chemistry, Organic

de Waal, H. L., M.Sc. Stell. Dr.phil. Bonn, D.Sc. Prof

Brink, C. v. d. M., M.Sc. Stell. Lectr
2 Demrs.

Chemistry, Inorganic and Analytical

Schilz, W. E., M.Sc. S.A., D.I.C. Lond., Ph.D. Munich, LL.E S.A.

Dean, Fac. of Science, Prof
du Plessis, D. J., M.Sc. Lectr

Vogel, J. C., M.Sc., D.Sc. S.A. Dipl. Ing. Karlsruhe Lectr

9 Demrs.

Chemistry, Physical

Malherbe, F. E., M.Sc. Sr. Lect

Classics, v. also History, Ancier

Viljoen, H. G., Litt.Class.D Gron. (Greek) Pro

- Gonin, H. L., B.A. Stell., M.A. Ox.,
Litt.D. Leid. (Latin) Prof.
- Pistorius, P. V., M.A., B.D. Stell.,
Litt.D. Leiden, D.Litt. (Hel-
lenic and Patristic Greek) Prof.
- Lubbe, W. J. C. (Latin) Lectr.
- Muller, H., B Litt. Ox, M A.,
D.Litt. (Latin) Pt-time Lectr.
- Commerce and Public Administra-
tion*, v also Geog., Law, Maths.
- Wynholds, H. W. J., Dr.Econ.
Rotterdam (Banking) Prof.
- (Accountancy) Prof.
- Hoek, P W., C A. S A, B Com.
(Accountancy) Sr. Lectr.
- Gey van Pittius, E. F. W., M.A.
S.A, Ph D. Lond. (Public Ad-
min. and Polit. Sc.) Dean of Fac., Prof
- Steenkamp, W. F. J., Econ.Docts.
Rotterdam (C. and Indust.
Econ) Prof.
- Viljoen, S. P., M.A. Cape, Ph.D.
Lond. (Econ. and E. Hist.) Prof.
- Louw, M. H. H., M.A. (Pol.
Science and Public Admin.) Lectr.
- 8 Pt-time Lectrs.
- Domestic Science*
- Davidtsz, Miss M J., B.Sc.
Columbia Prof.
- Ackerman, Miss E. M., M.Sc.
Cornell, B.Sc.Dom.Sc. Lectr.
- Jordaan, Miss A. M., B.Sc.Dom.Sc.
Lectr.
- Wolmarans, Miss A., B.Sc Dom.Sc
Lectr
- de Loor, Mrs H, B Sc Dom.Sc.
Lectr.
- Dutch, Afrikaans and Germanic
Philol.*
- Bokhorst, M., Ph.D., Litt.D. Leid.
(Hist. of Netherlands Culture) Prof.
- van der Westhuysen, H. M., M.A.,
D.Litt. Prof.
- Louw, S. A., M.A., D.Litt. (Afr.
and Dutch Lang) Prof.
- Kritzinger, M. S. B., M.A, D Litt.
S.A. (Afrikaans Lit.) Prof.
- Buning, Tj., B A, B.Sc. S A.,
M.A, D.Litt, M.Ed (Afri-
kaans Lit.) Lectr.
- Rademeyer, J. H., M.A., Litt D.
(Afrikaans Lang.) Sr. Lectr.
- Lectr.
- Economics*, v. Commerce
- Education*, v. *infra*
- English*
- Titlestad, R. M., M.A., LL.B. S A.,
M.A. Ox.
- Partridge, A. C., M A. Sr. Lectr.
- Sabbagha, N. G., M A. S.A., B.A.
Ox.
- Knowles-Williams, Miss G., M.A.
Lectr.
- Entomology*, v Agriculture, *infra*
- French*
- Strelen, Mrs. B. Lectr.
- Geography and Econ. Geog.*
- Plummer, F. E., M.A. Camb. Prof.
- Hugo, C. F., B.A. S.A., M.A.,
D.Phil. Stell. Sr. Lectr.
- Scheepers, G H, B A. S A., D.Sc.
Hamburg, M.Sc. Sr. Lectr.
- 2 Demrs.
- Geology*
- Lombaard, B. V., M.Sc. S.A., Ph.D.
Zurich, D.Sc. Prof.
- Boshoff, J. C., M.Sc., D.Sc. Lectr.
- Lectr.
- 1 Tech. Asst.
- German*
- de Villiers, W. P., B.A Cape,
Ph.D. and Litt.D. Ghent
(German Lit.) Prof.
- Mostert, L. C., B.A. Stell., Ph.D.
Hamburg (German Lang.) Sr. Lectr.
- Hebrew*
- van Selms, A., Th D. Utr. Prof.
- 1 Pt-time Lectr.

History

- Pelzer, A. N., M.A., D.Phil. Prof.
 Spies, F. J. du T., M.A. S.A.,
 Litt.D. Leiden Lectr
 de Kock, W. J., M.A. Cape,
 D.Phil. Stell. Lectr.
 Bokhurst, M., Ph.D., Litt.D.
 Leiden (Hist. of Netherlands
 Culture) Prof.
 van der Westhuysen, H. M., M.A.,
 D Litt. (Hist. of Afrikaans
 Culture) Prof.
 Lectr.

*Law, v. infra**Mathematics*

- Jacobsz, C., B.Sc.Eng., M.Sc.
 Witw. Prof.
 de Loor, B., M.Sc. S.A., Ph.D.
 Amst. (also Statistics and
 Theory of Finance in Fac. of
 Com) Prof.
 van Warmelo, N. J., M.Sc. Lectr.
 Zietsman, P. J., M.Sc. Lectr.
 2 Demrs.

Mathematics, Applied

- Beezhoid, W. F., D.Sc. Utr , M.Sc.
 Prof.
 Botha, F. J., M.Sc. Lectr.
 Geldenhuys, J J., M.Sc. Lectr.
 Lectr.
 3 Demrs.

*Medicine, v. infra**Music*

(in abeyance).

Philosophy

- Hugo, T. J., B.A. Cape, Ph.D.
 Gron. Prof.
 Rautenbach, C. H., B.A., B.D.,
 M.A. S.A., D.Phil. Prof.

Physics

- van der Lingen, J. S., B.A. Cape,
 Ph.D. J. Hop., F.P.S., F.I.P.,
 F.R.S.S.Af. Prof.
 Voss, V., B.A. Cape, M.A., Ph.D.
 J. Hop. Sr. Lectr.

- Fourie, D. J., M.Sc. Sr Lectr.
 Prinsloo, L. A., M.Sc. Lectr.
 1 Pt-time Lectr., 21 Demrs., 1
 Tech. Asst.

*Physiology, v. Medicine and Vet. Science**Political Science and Public Admin., v. Comm.**Psychology*

- [Prof.
 la Grange, A. J., M.A., Ph D. Stell.
 du Toit, D. P., M.A., Ph.D
 Sr. Lectr.
 Schlebusch, B. J., M.A., D.Phil.
 Stell. Sr. Lectr.

Social Anthropology

- Eiselen, W. W. M., M.A. Stell.,
 Ph.D. Hamburg Prof.

Sociology and Social Work

- Cronje, G., M.A. Stell, Drs Ed.,
 Litt. et Phil.D. Amst. Prof.
 Pauw, S., M A S A., B.Sc., D Phil.
 Sr Lectr.
 Bothma, Miss A. J., B.A.S.W.
 Lectr.
 van Zyl, G. J., B.A.S.W. Lectr.
 1 Pt-time Lectr

*Theology, v. infra**Veterinary Science, v infra**Zoology*

- Malan, D. E., M A. Cape, Ph.D.
 Zür. Prof.
 Malan, D. J., M.Sc. S.A Sr. Lectr.
 Eloff, F. C , M.Sc. Lectr.
 1 Tech. Asst , 6 Demrs.

*Zootchnics, v. infra Vet. Science**Theology**(a) Dutch Reformed Church*

- Geyser, A. S , M.A., D.D. (Chris-
 tian Ethics and New Test.
 Exegesis and Theol.) Prof.
 Gemser, B., D.Litt., D.Drs. Gron.
 (Old Test. Exegesis) Prof.

Engelbrecht, S. P., D.D. Utr.
(Church Hist.)

Dean of Fac. (a), Prof.

Wolmarans, H. P., M.A., B.D.
S.A., D.D. Gron. (Philos. of
Religion) Prof.

(b) *United Dutch Reformed
Church of S.A.*

Groenewald, E. P., M.A. Stell.,
Th Dr. Amst. (Christian Ethics
and New Test. Exegesis and
Theol.) Prof.

Kritzinger, J. H., M.A. Stell.,
Th. Dr. Amst. (Old Test.
Exegesis and Theol.) Prof.

Keet, D. J., B.A. Ox., Th D. Amst.
(Church History, History of
Dogma and Canon Law)

Dean of Fac. (b), Prof.

du Precz, A. B., M.A., Th.D. Amst.
Prof.

Education

Educational Psychology

la Grange, A. J., M.A., Ph D.
Stell. Prof.

Nel, B. F., B.A. S.A., Litt. et
Phil.D. Amst., M Ed.

Dean of Fac., Prof.

Educational Sociology

Cronje, G., M.A. Stell., Drs. Ed.,
Litt. et Phil.D. Amst. Prof.

History of Education in South Africa

Bosman, I. D., M.A. S.A., Litt.D.
Amst. Prof.

General History and Theory of Education

Bosman, J. C., M.A. Harv. Prof.

Native Education

Engelbrecht, J. A., M.A. Stell.,
Ph.D. Berlin Prof.

Philosophy of Education

Hugo, T. J., B.A. Cape, Ph.D.
Gron. Prof.

Rautenbach, C. H., M.A., B.D.
S.A., D.Phil. Prof.

Nursery School Training

Naude, Miss H. J. Lectr.
11 Pt-time Lectrs

Physical Education

Smit, C., B.A. Cape Prof.

Schrecker, K. A., Dip in Phys
Educ Berlin Sr Lectr.

de Kock, Miss M. Lectr.

van der Merwe, G. W., B.Sc.,
B.Ed. Ph. Stell. Lectr.

Law

Jurisprudence, Roman-Dutch L., Internat. Private L., Com- parative L.

Pont, D., LL.D. Utr., LL.B. S.A.,
K.C., Dean of Fac. Prof.

Trengove, J. J., B.A., LL.B. Lectr.

Crim., Const. and Admin L. and Public Internat. L.

Coertze, L. I., M.A., LL.B. Stell.
Prof.

Hamman, E. M., LL.D. Leiden,
B.A., LL.B. (Merc. L.) Prof.

Procedure and Evidence

Bliss, M., B.A. S.A., LL.D. Leiden,
LL.B. Lectr.

Jansen, E. I., B.A., LL.B. Lectr.

Roman Law

van Warmelo, P., LL.D. Leid.,
B.A., LL.B. Sr. Lectr.

8 Pt-time Lectrs.

Agriculture

Agric. Biochemistry

Kellermann, J. H., Ph.D. Wisc.,
D.Sc. Agric. Stell. Prof.

Agric. Chemistry and Soil Tech- nology

Theron, J. J., B.Sc. Agr. S.A.,
Ph.D. Calif. (Soil Tech.) Prof.

Agric. Economics

Tomlinson, F. R., M.Sc. Agric.
Stell., Ph.D. Cornell, D.Sc.

Agric. Prof.
1 Asst. Lectr.

Agric. Engineering

- van Tonder, A. J., B.A. Cape,
M.Sc. Calif. Prof.
Vorster, J. A., M S A E. Iowa,
B.Sc.Agric. Lectr.
r Temp. Lectr.

Agric. Entomology (and Entomology in Fac. Science)

- Faure, J. C., M.A., B Sc. Corn. Prof.
Janse, A. J. T., D Sc. S.A.
(Systematic E.) Hon. Prof.
Geyer, J. W. C., M.Sc.Agric. Lectr.
Mathee, J. J., M Sc. Lectr.

Agronomy

- Haylett, D. G., M.Sc. Ill., Ph.D.
Corn. Prof.
Hofmeyr, J. D. J., M.Sc.Agric.
Stell., Ph.D. Corn., Ph.D.
S A. (Genetics) Sr. Lectr.

Animal Husbandry, Sheep and Wool, Animal Breeding

- Bonsma, F. N., B.Sc.Agric. S A.,
D.Sc.Agric. (Animal Breed-
ing) Prof.
Starke, J. S., M.Sc.Agric. (Sh. and
W.) Lectr.
Bonsma, J. C., M Sc.Agric (An.
H.) Lectr
Hirzel, R, B Sc Agric. Stell.,
M.Sc.Agric. (An. H.) Lectr.

Dairying

- Davel, H. B., B.Sc Iowa
Dean of Fac., Union-
Castle Prof.
Abbott, C. W., M.Sc. and Ph.D.
Ames, B.Sc.Agric. Lectr.
Neethling, H. L., M.Sc.Agric.
Ames. Lectr.
r Temp. Tech. Asst.

Forestry

- Voorendyk, J. J., M F. Yale,
B.Sc.Agric. Lectr.

Horticulture

- Union-Castle Prof.
Oberholzer, P. C. J., Ph.D. Ari-
zona, M.Sc.Agric. Sr. Lectr.

Plant Pathology

- Dippenaar, B. J., M Sc.Agric.,
D.Sc.Agric. Stell. Prof.
Wijers, E. E., B.A. S.A., M Sc.
Sr. Lectr.

Poultry, v. also Vet. Sci.

- Gericke, A. M. M., M.Sc. Rutgers
Union-Castle Prof.

Veterinary Science

- Henning, M. W., D.Sc. S.A. Prof.

*Veterinary Science**Animal Nutrition*

- Groenewald, J. W., B.Sc., M.Sc.
Ames, D.Sc.Agric. Prof.

Biochemistry

- Prof.
Louw, J. G., D.Sc. Sr. Lectr.

Poultry Diseases

- Coles, J. D. W., B.V.Sc. Prof.

Vet. Anatomy

- Jackson, C., B.Sc. Witw., D.V.Sc.
S.A. Prof.
de Boom, H. P. A., B.V.Sc. Lectr.

Vet. Bacteriology and Infectious Diseases

- Robinson, E. M., D M V. Berne,
D.V.Sc S A., F.R.C.V.S.
Prof.

- Scheuber, J. R, D M.V. Berne
Lectr.

*Vet Botany, v. Vet. Tox. and Veld Management**Vet. Hygiene, Municipal*

- Fourie, P. J. J., Dr.Med.Vet.
Utrecht Prof.
Starke, N. C., B.V.Sc. S.A., D.V.Sc.
(also An. Management) Lectr.

Vet. Medicine

- Parkin, B. S., D.Sc. S.A. Prof.
Malherbe, W. D., B.V.Sc. Lectr.

Vet. (State) Medicine

- Diesel, A. M Sr. Lectr.

Vet. Parasitology and Helminthology

- Prof.
 du Toit, R. M., B.V.Sc. S.A. (Parasit.) Lectr.
 Oortlepp, R. J., M.A. Cape T., D.Sc. Lond. (Helmin.) Lectr.

Vet. Pathology

- Thomas, A. D., D.V.Sc. S.A. Prof.

Vet. Pathology, Comparative

- De Kock, G. v. d. W., D.M.V. Berne, D.Sc. Prof
 Graf, H., B.Sc., D.V.Sc. S.A. (Chem. Path.) Sr Lectr

Vet. Pharmacology

.....

Vet. Physiology

- Quin, J. I., D.V.Sc. S.A. Prof.
 Clarke, R., D.V.Sc. Lectr.

Vet. Surgery and Obstetrics

- Quinlan, J. B., D.M.V. Hanover, D.V.Sc. S.A., F.R.C.V.S. Prof.
 van Rensburg, S. W., B.A. Cape T., D.V.Sc. Lectr.

Vet. Toxicol. and Veld Management

- Adelaar, T. F., B.V.Sc. Lectr.

Vet. Tropical Diseases and Protozoology

- du Toit, P. J., B.A. Cape, Ph.D. Zür., D.M.V. Berl., D.Sc. Agric. Stell., Dean of Fac. Prof.

Zootechnics

- Bisshop, J. H. R., B.Sc. Agric., B.V.Sc. S.A. Prof.

*Medicine**Anatomy*

- de Haas, W. G., M.D. Utrecht, M.B., Ch.B. Cape Prof.
 Retief, P. J. M., M.B., Ch.B., Ch.M. Cape Sr. Lectr.

- Schulenburg, C. A. R., M.B., Ch.B. Cape, F.R.C.S. (and Surgery q.v.) Sr. Lectr
 Horn, L. Tech. Asst

3 Student Demrs.

*Bacteriology, v. Pathology and Bacteriology**Children's Diseases*

- Janssen, E., M.D. Leiden, D.T.M. and H. Amst., M.B., B.Ch. Witw. Prof
 Hauptfleisch, Miss R., M.B., Ch.B. Cape Clin. Asst

Diseases of the Ear, Nose and Throat

- Hofmeyr, J. H., M.B., Ch.B. Cape F.R.C.S.Ed. Sr. Lectr
 Malan, H. J., B.A., M.D. Hol Lectr

Diseases of the Eye

- Kriek, J. C., M.A., M.B., B.Ch. Witw. Sr. Lectr
 Marais, C. F., M.B., Ch.B. Cape Lectr

Diseases of the Skin and Venereal Diseases

- Nelson, H. M. A., M.D., Ch.B. B.A.O., D.P.H., D.T.M. Temp. Lectr

Forensic Medicine

- Loubser, C. J. N., B.Sc. Stell. B.A., M.B., Ch.B. Dub. D.P.H. Witw., M.D. Witw. Prof

Gynæcology and Obstetrics

- te Groen, L. J., Arts Amst. Dean of Fac., Prof
 Oosterhagen, P. H., M.B., Ch.B. Cape Sr. Lectr
 Mostert, G. v. R., B.A. Sr. Lectr
 Pretorius, C. C., M.B., Ch.B. Cap Lectr
 Visagie, J. C., M.B., B.Ch. Witw. Lectr

Infectious Diseases

- Nelson, H. M. A., M.D., Ch.B. B.A.O., D.P.H., D.T.M. Sr. Lectr

Medical Ethics

Schulenburg, A. C. Lectr.

*Medicine*Kloppers, P. J., M.D. Witw.,
F.A.C.C.P.

(Clin. Med.) Prof.

du Toit, J., M.B., Ch.B. Cape

(Syst. Med.) Sr. Lectr.

Ziady, F., M.B., Ch B. Cape

Sr. Lectr

Bezuidenhout, D. J. J., M.B.,
Ch B. Cape Lectr.Harris, L. C., M.B., B.Ch. Witw.
Lectr.Meyer, J. D., M B., B.Ch. Witw.
Lectr.Lombard, F. A. B., B.Sc.,
M.B., B.Ch. Witw. Lectr.Wessels, L. M., M.B., B.Ch. Witw.
Lectr.*Orthopædics*Dommissie, G. F., M.B., Ch B.
Cape, F.R.C.S.Ed. Lectr.*Pathological Anatomy*Barnetson, J., M.B., Ch.B. Edin.,
D.T.M. & H. Witw., F.C.C.P.

Prof.

du Plessis, B. J., M.B., Ch.B. Cape,
M.D. Freiburg Lectr.Esterhuizen, J. E., M.B., Ch B.
Cape Lectr.

de Swardt, G. J. Tech. Asst.

Baker, J. Tech. Asst.

Baker, Mrs. S. J. Tech. Asst.

*Pathology and Bacteriology*Pijper, A., M.D., D.Sc., Dipl. Trop.
Gen. Hamburg Prof.von Haebler, Miss T., M.D. Jena,
D.T.M. & H., Dip. Clin. Path.

Lond. Sr. Lectr

Dunston, T., M.B., B.Ch. Witw.
(Clin. Path.) Lectr.Crocker, Miss C. G., M Sc. Witw.
Lectr.Birkenstock, Miss C. H., B.Sc.
Stell. Tech. Asst.Grobbelaar, Miss C. H., B.Sc. S.A.
Tech. Asst.

Smit, P. W. Tech. Asst.

Todd, Miss J. Tech. Asst.

4 Lay Assistants.

4 Student Demrs.

*Pharmacology*Steyn, D. G., B.Sc. Stell.,
Dr.Med.Vet. Vienna, D.V.Sc.
Prof.*Physiology*Brink, C., B.Sc. Stell., M.B., B.Ch.
Witw. Prof.Odendaal, W. A., M.Sc., D.Sc.
Stell. Sr. Lectr.Marais, J. S. C., D.Sc.
(Biochem.) Sr. Lectr.

Meyer, B. J., M.Sc. Stell. Lectr.

Rabie, J., M.Sc. Stell. Lectr.

Smit, Z. M., M.Sc. (Agric.)
(Biochem.) Lectr.

Liebenberg, N. Tech. Asst.

Pietersen, J. J. Temp. Tech. Asst.

Scholtz, J. M.

(Biochem.) Tech. Asst.

Snyman, T. Temp. Tech. Asst.

4 Student Demrs. in Physiology.

3 Student Demrs. in Biochem.

*Psychiatry*de Vos, P. J. G., M.B., B S. Durh.
Prof.

4 Temporary Lectrs.

Public Health

Clark, B. M., D.Ph. Prof.

*Radiology*Oosthuizen, S. F., M.D., D.M.R.
Lond., F.C.C.P. Prof.Fainsinger, N. H., M.B., B.Ch.
Witw. Lectr.*Surgery*

[Prof.

Besselaar, H. J., M.D. Zürich

Schulenburg, C. A. R., M.B., Ch.B.
Cape, F.R.C.S. (Surg. and
Anat.) Sr. Lectr.Bremer, J., M.B., Ch.B. Cape,
F.R.C.S. Sr. Lectr.du Toit, J. G., M.B., Ch.B., Ch M.
Cape Sr. Lectr.

Jordaan, J. C., M.B., Ch.B., Ch.M. Cape Sr. Lectr.	Morrison, A. G. M., B.A. Stell., M.B., Ch.B. Cape Lectr.
Dercksen, C., M.B., Ch.B. Cape Lectr.	Visser, J. D., M.B., B.Ch. Witw. Lectr.
Eybers, von W., M.B., B.Ch. Witw. Lectr.	Kok, O. V. S., M.B., Ch.B. Cape (Surg. and Anæsthetics) Lectr.
Laubscher, C. L., M.B., B.Ch. Witw Lectr	Maas, J. P., M.B., Ch.B. Lectr.
Marais, T., M.B., Ch.B. Lectr	Vorster, A. J., M.B., Ch.B. Cape Lectr.

GENERAL INFORMATION

Founded 1910. For early history, see *Yearbook*, 1929, pp. 508-9.

In 1930 the Transvaal University Coll. was incorporated by Act of the Legislature of the Union of S. Africa as an independent Univ. under the title of The Univ. of Pretoria. The Univ. consists of the Chancellor, the Vice-Chancellor, the Rector, the Council, Senate and Convocation, together with the Professors, other teachers and students of the Univ. The Rector is *ex officio* Chairman of the Senate.

The Act provides for Faculties or Departments of Theology, Arts, Commerce and Public Administration, Education, Law, Science, Music, Agriculture, Veterinary Science and such other Faculties or Depts. as the Council may, after consultation with the Senate, with the approval of the Governor-General and subject to the Statutes, from time to time establish. The Faculty of Medicine was established in 1943 with the approval of the Governor-General.

The Faculty of Agriculture is one of two in South Africa. It is specialized along different lines from the Faculty in Stellenbosch Univ., particular attention being paid to the study of farming in the summer rainfall area of the Union of South Africa. The Faculty of Agriculture of the Univ. of Pretoria has two functions, namely: (a) *Educational*: serving as a teaching institution for the training of agriculturists and agricultural engineers. The courses for Bachelors' degrees cover 4 years of study and candidates may specialize in any branch of agriculture. Postgraduate work may be taken, and about 20 per cent of the students enrolled follow postgraduate courses. (b) *Research*: The Faculty is also a research institute. Its research work falls under the direct control of the Department of Agriculture of the Union Government. In this respect the Faculty functions as a division of the Department. The Faculty of Veterinary Science was grafted on to the Veterinary Research Laboratory at Onderstepoort, one of the largest veterinary research institutes in the Empire. The most important subjects of research comprise protozoal, virus and bacterial diseases, helminthology, entomology, poisonous plants, mineral metabolism and other nutritional problems, sterility in cattle and sheep and other obstetrical and physiological problems.

LIBRARY, 125,000 vols. **LABORATORIES**: Applied Maths., Bot., Plant Physiol., Chem., Entom., Geog., Geol., Phys., Psychology, Zool., Agric. Bot., Agric. Chem., Agronomy, Vet. Anat., Sheep and Wool, Domestic Science, Gen. and Clin. Anat., Histol., Physiol., Biochem., Bacteriol., Clin. Pathol., Pathological Anat., Pharmacol. **ASTRONOMICAL OBSERVATORY**.

DEGREES. B.A., B.A. (Social Work), B.Admin., B.Com., B.Sc., B.Mus. (in abeyance)—3 yrs. B.Sc. (Agric.), B.Sc. (Agric. Eng.), B.Sc. (Dom. Sci.), B.Ed., B.Ed. Phys.—4 yrs. B.Arch., B.Sc. (Q.S.), B.V.Sc.—5 yrs. M.B., Ch.B.—

6 yrs. Higher degrees: M.A., M.Admin., M.Com., M.Sc.—not less than 18 mths. after corresponding Bachelor's degree; M.Sc. (Agric.)—not less than 1 yr. after corresponding Bachelor's degree; M.Ed.—not less than 18 mths. after Bachelor's degree and Higher Dip. in Education or equivalent dip. LL.B., 2 yrs. after legal B.A. or 3 yrs. after ordinary B.A. or other degree; B.D., 3 yrs. after B.A. D.Litt., D.Phil. (Arts, Com. and Pub. Admin.), D.Com., D.Mus., D.Ed.—not less than 4 yrs. from Bachelor's degree or 2 yrs. from Master's degree; LL.D., not less than 2 yrs. from LL.B.; D.D., not less than 2 yrs. from B.D.; D.V.Sc., not less than 4 yrs. from B.V.Sc. or 2 yrs. from B.V.Sc. if at least 1 yr. after B.V.Sc. has been spent on research at an approved institution.

DIPLOMAS. Architecture, 5 yrs.; Quantity Surveying, 4 yrs.; Music (in abeyance), Commerce, Public Administration, Native Administration, Social Work, Nursery School Teaching, 3 yrs.; Soil Conservation, 2 yrs.; Radiography, 3 yrs.; Librarianship, 3 yrs. or 1 yr. for graduates; Medical Radiology, 3 yrs. postgraduate; Native Education, 1 yr.; Higher Education, 1 yr. postgraduate.

COURSES are provided for all degrees and diplomas of the Univ. in Divinity, Arts, Commerce and Public Administration, Law, Science, Agriculture, Agricultural Engineering, Veterinary Science and Medicine. Course in Librarianship may be taken concurrently with B.A. degree. Special courses are available for teachers of Agriculture and of Domestic Science. Five-yr. course in Tropical Veterinary Medicine leads to degree of B.V.Sc. Full courses are available in Architecture and Surveying and special provision is made for Bantu Studies.

FEE for full degree course, £35 to £70 p.a.

EXTRA-MURAL STUDIES. A special feature of the Univ. is the work done in the Extra-mural Faculties. In a building in the centre of the town three miles from the main buildings lectures are given, out of ordinary business hours, for the benefit of public servants, article clerks, commercial men and teachers. About 550 students are enrolled, practically all for full degree courses: for B.A., Law B.A., LL.B., B.Com., B.Admin., Masters' degrees, Law Certificate, Banker's Certificate, or Diplomas in Bantu Studies and Native Administration.

UNIVERSITY EXTENSION. The faculties of Agric. and Vet. Sc. co-operate with the Union Dept. of Agriculture in connexion with the extension training service organized by it. Public Lectures are being organized in Pretoria and surrounding districts.

HOSTELS. 4 for men, including the Dutch Church Hostels, and 1 for women. Board and residence, £75 p.a.

PUBLICATIONS. *Calendar* (November); bulletins containing result of research by members of staff.

THE YEARS 1946, 1947

NEW BUILDING. Building for the Institute of Physical Education is in course of construction.

OTHER DEVELOPMENTS. In 1946 a 4-yr. degree course and a 2-yr. diploma course in Soil and Veld Conservation were started in the Fac. of Agriculture and in 1947 the B.Ed. (Phys.) and B.Ed. degrees were instituted in the Fac. of Education. A 3-yr. Diploma Course in Radiography was started in the Fac. of Medicine in 1947.

CHANGES IN REGULATIONS. Apart from the changes in regulations necessitated by the institution of the above-mentioned courses, minor changes have been made in the regulations of most faculties.

DEATH. Prof. I. Bosman, Hd. of History Dept.

HONORARY DEGREE CONFERRED (1946). *D.Com.*—Mr. Johannes Postmus, formerly Governor of the South African Reserve Bank and at present a member of the Council of the University of Pretoria, and Chairman of its Financial Committee.

STUDENTS. Full-time: 3208, including 564 graduates.

DEGREES OBTAINED (1946). *D.Litt.*, 1; *M.A.*, 16; *B.A.*, 97; *B.A. (S.W.)*, 19; *D.Sc.*, 2; *M.Sc.*, 12; *B.Sc.*, 55; *B.Sc. (Dom. Sc.)*, 10; *B.Sc Q.S.*, 3; *D.Sc. (Agric.)*, 1; *M.Sc. (Agric.)*, 3; *M.Sc. (Agric. Eng.)*, 1; *B.Sc. (Agric.)*, 8; *B.Sc. (Agric. Eng.)*, 2; *LL.B.*, 5; *B.D. (Division A)*, 5; *B.D. (Division B)*, 4; *M.Com.*, 2; *B.Com.*, 20; *M Admin.*, 1; *D.V.Sc.*, 2; *B.V.Sc.*, 12; *M.Ed.*, 6; *M.D.*, 1.

UNIVERSITY OF STELLENBOSCH

Founded 1916

CHANCELLOR—D. F. MALAN, M.A., Th.D. Utrecht, M.P.

VICE-CHANCELLOR—Mr. JUSTICE H. S. VAN ZYL, B.A., LL.B., K.C.

PRESIDENT OF CONVOCATION—Rev. H. J. PIENAAR, B.A.

PRINCIPAL—Prof. R. W. WILCOCKS, Ph.D. Berlin.

REGISTRAR—D. J. KRIEL, B.A.

LIBRARIAN—G. V. MARAIS, M.A., B.Sc. Columbia, F.S.A.L.A.

TEACHING STAFF

Agriculture, v. infra

Bantu Ethnology

..... Prof.
van Schalkwyk, A., M.A., D.Phil.
Sr. Lectr.
Holleman, F. D., LL.D. Leiden
Lectr.
Schüler, G. M. K., B.A.
Temp. Jr. Lectr

Bantu Languages

van Eeden, B. J. C., M.A., D.Phil.
Prof.
Olivier, N. J. J., M.A. Lectr.

Botany

Nel, G. C., B.A., Ph.D. Berl. Prof.
Jordaan, P. G., D.Sc. Sr. Lectr.
de Vos, Miss M. P., D.Sc. Lectr.
Smith, J. G., M.Sc. Jr. Lectr.

Chemistry

..... Prof.
Joubert, J. M., Ph.D. Mass. Inst.
Tech. Prof.
Krige, G. J. R., Ph.D. Göttingen
Prof.
Kritzinger, J. H., Dr.Ing. Aachen
Sr. Lectr.
van der Merwe, P. W., Ph.D.
Göttingen Sr. Lectr.
Barnardt, J. H., D.Sc.
(Bioch.) Sr. Lectr.

Rohwer, E. F. C. H., Dr rer. nat.
Freiburg Sr. Lectr.
Stegmann, G. F., M.Sc. Lectr.
Malan, H. P., M.Sc. Lectr.
van der Merwe, P. (Intr.)
Temp. Jr. Lectr.

Classics

van Rensburg, J. P. J., M.A.,
D.Litt. Prof.
..... (Greek) Prof.
Rabie, P. J., Ph.D. Mich. Lectr.
Smuts, F., M.A. Lectr.
Baumbach, Lydia, M.A.
Temp. Jr. Lectr.

Commerce

Schumann, C. G. W., Comm.Dr.
Rotterdam, B.Sc. Prof.
Pretorius, S. J., M.Sc., Ph.D.
Lond Prof.
Vosloo, G. J., B.Comm. Pretoria
Sr. Lectr.
Dempsey, W. C., M.Comm. Lectr.
Nolte, D. J., B.Comm. Lectr.
Smith, C. A., B.Comm. Lectr.

Dutch and Afrikaans

Pienaar, E. C., Litt.D. Utr., B.A.
Prof.
Kempen, W., Litt.D.
(Jan Marais Chair) Prof.
Malherbe, F. E. J., Litt.D. Amst.,
M.A. Prof.
de Villiers, M., M.A., Ph.D. Cape
T. Sr. Lectr.

Economics

- Franzsen, D. G., M.A., D.Phil.
 (Arthur van der Lingen
 de Villiers Chair) Prof.
 Sadie, J. L., M.Comm. Lectr.

Education

- Cillié, G. G., Ph.D. Stras, LL.D.
 Cape T. (Philos of E.) Prof.
 Cruse, H. P., Litt D. Amst, B.A.
 (History of E) Prof.
 Taute, B., B.A. (Method) Prof.
 Meiring, J. G., Ph.D. Leipzig
 (Ped. Psych.) Prof.
 Donald, M. M., M.A. Sr. Lectr.
 Heese, J. de V., B.A., D.Ed.
 Sr. Lectr.
 Uys, Miss A. M., M.A., B.Ed Cape
 T. Lectr.
 Visser, P. G., B.A. Lectr.
 Van Heerden, E., M.A. Lectr.
 Smit, J. N., B.A. Lectr.
 Badenhorst, J. L., Dipl. in Hout- en
 Metaalwerk Sr. Lectr.
 Hofmeyr, Miss A. S., B.A.
 Sr. Lectr.
 Stockenström, E., D.Phil.
 Sr. Lectr.
 Du Pisani, Miss E.
 (Needlework) Lectr.
 Baard, Miss J. J., Oud.-Dipl. in
 Huish
 (Needlework) Jr. Lectr.

Engineering

- Reitz, H. L., Dipl.Eng. Delft Prof.
 Straszacker, R. L., Dipl.Eng.,
 Dr.Eng. Charlottenburg Prof.
 Heydorn, A., Dipl.Eng. Stuttgart
 Prof.
 Sippel, J. J., B.Sc.Eng. Witw.
 Sr. Lectr.
 Van Rooyen, J. A., B.Sc.Eng.
 Witw. Sr. Lectr.
 Steenkamp, J. L., B.Sc.Eng. Witw.,
 S.M. Mass. Inst Tech.
 Sr. Lectr.
 Malan, S. F., B.Sc. Pretoria, B.Sc.
 Eng. Witw. Sr. Lectr.

- Roediger, L. E., Dipl. Eng.
 Munich, M.Sc. Eng. Sr. Lectr.
 Olén, C. L., M.Sc. Eng. Witw.
 Sr. Lectr.
 Swart, P. R., B.Sc. Eng. Glas.
 Lectr.
 Lutsch, W. J. F., B.Sc.Eng. Witw.
 Lectr.
 Uys, J. F., B.Sc.Eng. Witw. Lectr.
 Sauermann, J. D., B.Sc.Eng. Cape
 T. Lectr.
 Barnard, A. P., B.Sc. Eng. Cape T.
 Lectr.

English

- Hooper, A. G., Ph.D. Leeds Prof.
 Prof.
 Walpole, V., M.A. Sheff.
 Temp. Sr. Lectr.
 Johnman, C. K., B.Educ. Cape T.
 Sr. Lectr.
 Harvey, C. J. D., M.A. Witw.
 Lectr.
 Ravenscroft, A., M.A. Cape T.
 Lectr.
 Patterson, Miss M. W., M.A. S.A.
 Jr. Lectr.

French

- Franken, J. L. M., Litt.D. Ghent,
 M.A. Prof.

Geography

- Serton, P., Litt.D. Utr. Prof.
 Conradie, D. J., D.Phil. Sr. Lectr.
 Moolman, J. H., D.Phil. Sr. Lectr.

Geology

- Scholtz, D. L., D.Sc. Prof.
 Taljaard, M. S., D.Sc. Prof.
 Brink, W. C., D.Sc. Lectr.

German

- Friedlaender, E., Ph.D. Stras.
 Prof.
 Hoge, J., Ph.D. Stras. Sr. Lectr.

Hebrew

- Weiss, P. F. D., M.A. Prof.

History

- Thom, H. B., D.Phil. Prof.

Wiid, J. A., Ph.D. Mun., M.A.
(Hist. of S. Africa)

Jan Marais Prof.
Van der Merwe, P. J., D.Litt.
Leiden, M.A. Sr. Lectr.

Law

Malherbe, W. M. R., LL.D. Leid.
Prof.

de Wet, J. C., LL D Stell. and
Leiden Prof.

Yeats, J. P., LL.D. Prof.

van Themaat, H. V., Dr.Jur., Dr.
Jur.Pol. Leiden Lectr.

Holleman, F. D., LL D. Leiden
Lectr.

van der Westhuizen, W. M., B.A.,
LL B., LL D. Sr. Lectr.

Mathematics

Cillie, G. G., Jr., M.Sc., Ph.D. Ox.
Prof.

Stegmann, E. T., B.A., D.Sc. S.A.
Prof.

Le Roux, J. M., Ph.D. Lond.
Sr. Lectr.

Göldner, S R. F., M.Sc. Lectr.

De Villiers, A. J., B.Sc. (Eng.)
Jr. Lectr.

Music

Fisner, Maria v. d. L. Prof.

Van der Spuy, G. Z., B.Mus.
Sr. Lectr.

De Villiers, P. J., B.A. Lectr.

Wandelt, Miss M. Lectr.

De Villiers, M. E. (Speech Train-
ing) Lectr.

Lubbe, Miss E. H. Jr. Lectr.

De Villiers, Miss G. E. Jr. Lectr.

Behrens, R., B.A. Jr. Lectr.

Mohr, R. W., B.A. (Speech Train-
ing) Jr. Lectr.

Philosophy, Moral and Meta-

physical

Kirsten, J. F., D.Phil. Prof.

Degenaar, J. J., B.A. Jr. Lectr.

Physical Education

Craven, D. H., D.Phil. Prof.

Postma, J. W., D.Ed.Ph. Sr. Lectr.

Wieffering, C. J. Sr. Lectr.

Robra, Miss H., B Ed.Ph. Lectr.

Kelder, J. C. Lectr.

Van der Merwe, J. J. R., B.Ed.Ph.
Lectr.

Dreyer, Mrs. N., B.Ed.Ph.
Temp. Lectr.

Physics

..... Prof.

Cilliers, A. C., Ph.D. Frankfurt,
M Sc. Prof.

de Vos, P. J. G., D.Sc. Sr. Lectr.

Harvey, S. C., B.A. Cape Lectr.

Scheffler, T. B., D.Sc. Lectr.

Zeeman, P. B., M Sc. Lectr.

Physiology

Battaerd, P., M.D. Leiden Prof.

Brink, H. E., D.Sc. Prof.

Engelbrecht, F. M., M.Sc. Lectr.

van der Merwe, J L. de B., B.Sc.
Temp. Jr. Lectr.

Psychology

Wilcocks, R. W., Ph.D. Berl., B A.
Prof.

Jansen van Rensburg, J. A., M.A.,
D.Phil. Prof.

van der Merwe, A. B., M.A., M.B.,
Ch.B. Cape T. Prof.

Theron, P. A., D.Phil.
Temp. Lectr.

Social Work

Wagner, O. J. M., M.A. Cape T.,
D.Phil. Prof.

Theron, Miss E., M.A., D.Phil.
Sr. Lectr.

Pansegrouw, N. J. de W., M.A.
Lectr.

Van Zyl, D., M.A. Lectr.

De Villiers, J. J., B.A.
Temp. Jr. Lectr.

Theology

Gerdener, G. B. A., Ph.D. Gött.,
M.A. Prof.

van Rooyen, E. E., Th.D. Amst.
Prof.

Keet, B. B., Th.D. Amst, M.A. Prof.
 Müller, J. J., Th.Dr. Amst., D.D.S.A. Prof.
 Potgieter, F. J. M., Ph.D. Cape T., Th Dr. Amst. Prof

Zoology

De Villiers, C. G. S., Ph D. Zür., M.A. Prof.
 du Toit, C. A., Ph.D. Cape T. Prof.
 Grobbelaar, C. S., Ph.D. Berl., M.A. Sr. Lectr.
 Malan, Miss M. E., D Sc Lectr.

*Agriculture**Agric. Chemistry*

Malherbe, I. de V., Ph.D. Mün, B.A. Prof.
 Steenkamp, J L, D.Phil Ox. Prof
 Perold, I. S., D.Sc. Agric. Lectr.

Agric. Economics

van der Merwe, W. H., Ph.D. Minn. Prof.
 van Wyk, S P., M A., D.Phil Sr. Lectr.

Agric. Engineering

Perold, R. P., B.Sc., B.Sc Eng (Cape T.) Sr. Lectr.

Animal Husbandry

Reimers, J. H W. Th., Landb Eng. Wageningen Prof.
 Swart, J. C., D.Sc.Agric. Prof.

Dairy Husbandry

Smut, B. J., B.A., Ph.D. Wisc. Sr. Lectr. and Hd. of Dept.

Entomology

Potgieter, J. T., Ph.D. Ohio, M.Sc. [Prof.
 Joubert, C. J., M.Sc.Agric. Sr. Lectr.

Field Husbandry

Marais, J. S., Ph.D. Ill. Prof.
 Sim, J. T. R., D.Sc.Agric. Prof.

Henning, P. D., D.Sc.Agric. Sr. Lectr.

Forestry

Neethling, E. J., B.A Cape T., M F Yale Prof
 Marsh, E. K., B.A. Ox. Lectr.

Genetics

Neethling, J. H., M.Sc. Cornell Prof.
 De Villiers, P. J. R., D.Sc.Agric. Sr. Lectr.

Home Economics

Louw, Miss G. J., B.Sc. Sr. Lectr.
 Jooste, Miss M. E., M.Sc. Sr. Lectr.

Du Pisani, Miss E. Lectr.

Louw, Miss L. J., M.A. Columbia Sr. Lectr.

Vos, Miss A. C., B.Sc., M.Sc. Home Ec. Lectr.

De Jager, Miss J., B.Ed. Home Ec. Lectr.

Nortje, Miss C. P., B Ed. Home Ec. Jr. Lectr.

Plant Pathology

Du Plessis, S. J., D.Sc.Agric. Prof.
 Sr. Lectr.

Pomology

Reinecke, O. S. H., D.Sc.Agric. S.A. Prof.
 Nel, R. I., D.Sc. Agric. Prof.
 Black, M. W., D.Sc.Agric. Sr. Lectr.

Poultry Husbandry

..... Lectr.

Veterinary Science

De Villiers, O. T., D.V.Sc. S.A., F.R.C.V.S. Lectr. and Hd. of Dept.

Viticulture

Theron, C. J., M.Sc.Agric. Prof.
 De Waal, C. T., M.Sc.Agric. Lectr.

GENERAL INFORMATION

The Victoria College developed out of the Stellenbosch Gymnasium, which was founded in 1866, and in connexion with which the Faculties of Literature and Philosophy, Mathematics and Physics—the so-called “Arts Department”—were established in 1874. In 1881 the Arts Department was granted a charter and accorded its status and constitution as the “Stellenbosch College” by a private Act of Parliament. In 1887 (the year of the 50th anniversary of Queen Victoria's accession) Her Majesty consented to the College's being named “The Victoria College of Stellenbosch.” By the University of Stellenbosch Act, No. 13 of 1916, the College, on the 2nd April 1918, was incorporated as the University of Stellenbosch, and in addition to fulfilling its previous functions is entitled to examine its own students and grant degrees.

The Faculty of Agriculture aims at the promotion of agricultural science and the development of agriculture in the Union. Particular attention is given to the training of future farmers. By Act No. 45 of 1926, the Elsenburg School of Agriculture and the Faculty of Agriculture of the University were amalgamated to constitute “The Stellenbosch-Elsenburg College of Agriculture of the University of Stellenbosch.” In accordance with this Act, the Faculty of Agriculture and Forestry “shall be for all purposes the faculty of agriculture of the university, and shall have all such rights and privileges and be subject to all such duties as are laid down by the University of Stellenbosch Act, No. 13 of 1916.” By this amalgamation the Faculty of Agriculture and Forestry is brought into more intimate touch with practical farming and matters relating thereto, so that its activities are more extensive than those of the original faculty. In close connexion with the Univ. is the Western Province Fruit Research Station of the Union Dept. of Agriculture where there are facilities for postgraduate research in all branches of fruit production and fruit and vegetable processing. Several of the staff members of the Research Station are members of the teaching staff of the Univ. The Department of Forestry is attached to the Faculty of Agriculture.

Research work forms an important part of the activities of this University. In the Departments of Educational Psychology, Psychology, Sociology, Geography, History, Agriculture, Bantu Languages, Ethnography, Afrikaans-Nederlands, Geology, Biology, Law and Economics, special attention is devoted to South African problems. Since 1923, the results of research work have been published regularly in the *Annals* of the University of Stellenbosch. The University Council also awards a special grant for the purpose of carrying on scientific investigational work.

FACULTIES. Arts (including Depts. of Bantu Studies, Ethnol. and Soc. Studies), Law, Education, Science (including Spec. Dept. of Domestic Science), Theology, Agriculture and Forestry, Commerce, Engineering.

DEGREE COURSES, ETC. 3 yrs.—B.A., B.A. in Social Work, B.Sc., B.Comm.; 4 yrs.—B.Mus., B.Sc. in Home Economics, B.Ed. in Home Economics, B.Ed.Ph., B.Sc. in Agric., B.Sc. in Forestry, LL.B. (5 yrs. combined with B.A.); 5 yrs.—B.Sc.Eng.; 1 yr. postgraduate—M.A., M.A. in Social Work, M.Sc., M.Sc. in Home Econ., M.Sc. in Agric., M.Sc. in Forestry, M.Comm., M.Sc.Eng.; 2 yrs. postgraduate—B.Ed.; 3 yrs. postgraduate—M.Ed., B.D.; 2 yrs. after M. degree—D.Phil., D.Litt., D.Sc., D.Ed.Ph., D.Sc. in Agric., D.Sc. in Forestry, D.Comm., D.Sc.Eng.; 2 yrs. after B.D.—DD.; 2 yrs. after LL.B.—LL.D.; 1 yr. after M.Ed. or 2 yrs. after B.Ed.—D.Ed. Courses are also provided for the Secondary Teachers' and Higher Primary Certificates; also for Certificates in Comm., Home Econ., Social Work, Vocational Training, Teaching of Special

Classes, Teaching of Arts and Handicraft, Teaching of Music, Teaching of Speech Training and Dramatic Art.

FEES. Registration, £3 p.a. (incl. sports and fees payable to Students' Representative Council). Composite (including tuition, examn., laboratory, library and, in final year, graduation fees) average per semester: for Master's degree, £20 : 5s.; for Bachelor's degree, £25; for Doctorate, £11 : 5s

PHYSICAL TRAINING. Although physical training is not compulsory the majority of the students participate actively in the different branches of sport, *i.e.* in rugby, cricket, tennis, baseball, netball, boxing, swimming and athletics. In most of these branches of sport they were able to compete successfully with other clubs.

HEALTH OF STUDENTS. Due to its mild climate the health of the students at Stellenbosch is generally very sound. The assistance of a fully trained nurse is at the disposal of all students who may require her services. Periodical inspections are conducted to ascertain the general state of health of all students in Univ. hostels.

RECREATION AND FACILITIES FOR EX-VOLUNTEER STUDENTS (EX-SERVICE MEN). The Univ. caters extensively for the needs of ex-Service men who have registered as students at this institution. Special classes and mid-term courses have been introduced (at no extra cost to the student) and extra and individual coaching is applied to assist this type of student. Recreational facilities, sport, culture and relaxation are provided, and a special hostel has been allocated to ex-volunteer students. In general, the ex-volunteers have succeeded beyond expectations in assimilating themselves with the student body as a whole.

LIBRARIES. Christian Marais and Carnegie. 95,167 vols. and 845 periodicals. The Univ. receives each year nearly 900 different annual and other publications.

LABORATORIES. Chemical Inst. (De Beers Building) for biochemical sciences; Merensky Building (physics); Domestic Science Building; Education Building; Physical Education Building; Agriculture Building; Laboratory and Workshop of the Fac. of Engineering.

SPECIAL EQUIPMENT, COLLECTIONS, ETC. The Dept. of Botany possesses a botanic garden and three hothouses containing a large collection of the peculiar xerophytic flora of South Africa. Herbarium. The Dept. of Agricultural Chemistry has a building and equipment for manurial pot-experiments. The Dept. of Bantu Studies is building up a collection of specimens of native art and industry. Zoological and Geological Museums. Vivarium. Pomology Dept. and Western Province Research Station for study of deciduous and other fruit trees. Viticulture Dept. for studies in wine and spirit production.

SCHOLARSHIPS FOR GRADUATES. Abe Bailey, £450 p.a. for 2 yrs. tenable at Oxford or any other British Univ.; Queen Victoria Memorial (women only), £200 p.a. for 3 yrs.; Hiddingsh, £266 : 13 : 4 p.a. for 3 yrs.; Ebdon, £300 p.a. for 2 yrs.; Conservatorium of Music, £100 for 1 yr.; Croll Memorial, Donald Currie Memorial, George Grey Memorial, Porter, Queen Victoria and Union, each £225 p.a. for 2 yrs.; Maynard, £90 p.a. for 2 yrs.

RESIDENCE. 8 hostels for women and 5 for men can accommodate approx. 1300 students. Boarding and tuition fees approximate £140 p.a. per student.

PUBLICATIONS. *The Calendar*; *The Stellenbosch Student* (by Students' Repr. Council); *Annals of the University of Stellenbosch* (by Senate); *Die Stellenbosse Oud-student* (by Senate).

THE YEAR 1947

BENEFACTIONS. Het Jan Marais-Fonds, £3550; Municipality of Stellenbosch, £750; Sir E. Oppenheimer, £500; Tehuis-Direksie, £385; Helpmekaar-Vereniging, £375; Stellenbosch District Bank, Ltd., £350; Reddingsdaadbond, £350; Dr. J. G. van der Horst, £250; Hendriksz Bros., £250; I. Perl (Pty.) Ltd., £250; 1947 Juniors, £200; Provincial Administration, £200; Stellenbosch Divisional Council, £200; Jan Pierewiet Geselskap, £180; Federale Volksbeleggings, £100; Westelike Graanboere Ko-operasie, £100; S.A.N.T.A.M., £100; Het Jan Marais Nasionale Fonds, £100; Dr. G. J. Hugo, £100; J. B. Collins, £100; J. A. Loubser, £100; A. P. de Wet, £100; 1946 Juniors, £75; Ekonomiese Instituut (F.A.K.), £50; Stellenbosch-Boereorkes, £50; Prof. D. L. Scholtz, £50; Jurgen Schoeman, £50; J. K. de Wet, £25; J. W. Mohr, £25; Senator A. M. Conroy, £25; Dr. T. E. Dönges, £25; L. P. Rabie, £25; Revd. J. D. Roos, £25; Hofmeyr and Hofmeyr, £25; Dr. J. M. le Roux, £20; Galloway and Porter, £20; C. R. Louw, £20; Afdeling Voordragkuns Kons. vir Musiek, £12:16:9; Dr. G. C. Theron, £10. Other Donations (less than £10), £227:10:3. Donations to the Department of Forestry: Dr. H. Merensky, £500; S. A. Lumber and Shook Manufacturing Assocn., £500; Transvaal Gold Mining Co., £250; General Box Co., £250; Transvaal Furniture and Upholstery Manufacturing Assocn., £250; Timber and Allied Trades Assocn., £105; New Union Goldfields, Ltd., £100; Natal Timbers (Pty.), Ltd., £100; Plywoods, Ltd., £100; Hillman Bros., Ltd., £100; Exchange Yard (Pty.), Ltd., £100; Acme Box Factory, Ltd., £100; Rhodesia Timbers, Ltd., £100; United Tobacco Co., Ltd., £100; National Match Co., Ltd., £62:10s; Hicksons' Timber Impregnation Co., £50; S.A. Pulp and Paper Industries, Ltd., £50; G. H. Starck, Ltd., £50.

NEW BUILDINGS. New men's Hostel accommodating 120 students (in course of erection); new building for the Faculty of Engineering; new building for the Faculty of Commerce and the department of Sociology and Social Work. This building will be completed in June 1948.

NEW DEPARTMENTS AND POSTS. A dept. and a professorship of Semitic Languages; professorship of Fruit Technol.; professorship of Wood Technol. (Transvaal Chamber of Mines Chair); third professorship of Psychology; three senior lectureships in the Fac. of Engineering (superseding three lectureships); lectureships of Biochem. and Wood Technol. (Fac. of Agric.); two lectureships in the dept. of Physical Education (superseding two temporary lectureships) and additional lectureship in the dept. of Physical Educn.; three lectureships in the Fac. of Commerce; four lectureships in the dept. of Music (superseding four temporary lectureships).

OTHER DEVELOPMENTS. The contracts governing the compilation of the Afrikaans Dictionary were cancelled by mutual agreement between the contracting parties (the Government of the Union of South Africa, the Nasionale Pers, the Univ. of Stellenbosch and Prof. J. J. Smith), and the Government has undertaken the financial responsibility for the continuation of the work, which is carried out under a Board of Control appointed by the Minister for Education in collaboration with the S.A. Akademie vir Taal, Lettere en Kurs and the Univ. of Stellenbosch.

RETIREMENTS AND RESIGNATIONS. Prof. P. J. Schoeman (Ethnography); Prof. L. Verwoerd (Phytopathology); Miss C. van Heyningen (sr. lectr., dept. of English); Mr. I. B. J. van Rensburg (lectr., Fac. of Educn.); Mr. J. A. Venter (lectr., dept. of Chem.); Mr. G. S. J. Möller (lectr., dept. of Philos.);

Mr. J. J. Malan (lectr., Fac. of Agric.); Miss H. J. Roux (jr. lectr., dept. of Speech Training and Dramatic Art).

DEATHS. Prof. H. J. Brummer (Philosophy, retired); Mr. H. Ender (part-time teacher, dept. of Music).

HONORARY DEGREES. *D.Comm.*—Mr. W. A. Hofmeyr and Mr. C. W. H. Kohler.

STUDENTS. Full-time: 2340, including graduates. No facilities for part-time students exist at this Univ.

DEGREES. B.D., 1; B.A., 128; B.A. in Soc. Work, 37; B.Mus., 3; M.A., 16; M.A. in Soc. Work, 2; D.Phil., 2; LL.B., 11; LL.D., 1; B.Sc., 61; B.Sc. in Dom. Sci., 1; M.Sc., 13; M.Sc. in Dom. Sci., 1; D.Sc., 2; B.Ed.Ph., 17; B.Ed. in Dom. Sci., 1; M.Ed., 9; D.Ed., 1; B.Sc. in Agric., 28; B.Sc. in Forestry, 1; M.Sc. in Agric., 2; D.Sc. in Agric., 1; B.Comm., 65; M.Comm., 1; D.Comm., 1; B.Sc. in Engin., 18; M.Sc. in Engin., 1.

UNIVERSITY OF THE WITWATERSRAND JOHANNESBURG, TRANSVAAL

Founded 1921

Address—Milner Park, Johannesburg.

Telegrams—University, Johannesburg.

CHANCELLOR—The Rt. Hon. J. H. HOFMEYR, B.A. Ox., M.A. Cape,
D.Sc., D.C.L., M.P.

VICE-CHANCELLOR AND PRINCIPAL—H. R. RAIKES, A.F.C., M.A. Ox.

CHAIRMAN OF COUNCIL—P. M. ANDERSON, D.Sc. (Eng.).

PRESIDENT OF CONVOCATION—.....

REGISTRAR—I. GLYN THOMAS, M.A. Ox.

LIBRARIAN—P. FREER, B.A. Birm., F.L.A.

TEACHING STAFF

Actuarial Science, v. Maths.

Oettle, A. G., B.Sc., M.B., B.Ch.

Afrikaans and Nederlands

van den Heever, C. M., M.A.,
D.Litt. S.A., Litt.Docts.
Utrecht

(Afrikaans) Prof. and Hd.
of Dept.

Coetzee, A. J., M.A., D.Litt. et
Phil. Nijmegen Prof.

Nienaber, P. J., M.A. S.A., D.Litt.
et Phil. Amsterdam Sr. Lectr

Hattingh, S. C., M.A., D.Litt.
Lectr.

Anatomy

Dart, R. A., M.Sc. Q'ld., M.D.,
Ch.M. Syd., F.R.S.S.Af. Prof.

Gillman, J., D.Sc., M.B., B.Ch.
Sr. Lectr.

Wells, L. H., M.Sc., M.B., B.Ch.,
D.Sc. Sr. Lectr.

Gilbert, Christine, M.Sc. Lectr.

Gillman, T., M.Sc., M.B., B.Ch.
Sr. Lectr.

Iannon, J., M.B., B.Ch., F.R.C.S.
Lectr.

Lectr.

Mihalik, P., M.D. Vienna Lectr.

Macgregor, A. L., M.B., Ch.M.

Edin., F.R.C.S. Hon. Demr.

4 Temp. Lectrs., 2 Pt.-time Lectrs.,

1 Lab. Techn.

Archæology

van Riet Lowe, C., D.Sc. Cape T.,
F.R.S.S.Af. Prof.

Malan, B.D., B.A. Cape, F.S.A.
Pt.-time Lectr.

*Architecture and Quantity Sur-
veying*

Fassler, J., B.Arch. Prof.

Castleton, J., F.S.I.
Pt.-time Sr. Lectr.

Howie, W. D., B.Arch. Sr. Lectr.

Shunn, J., B.Arch. Lectr.

Herbert, G., B.Arch. Lectr.

Stewart, A. G., B.Arch. Lectr.

Bantu Studies

Doke, C. M., M.A. S.A., Diploma
Compar. Bantu Lond., D.Litt.

Prof.

Jeffreys, M. D. W., M.A. Ox.,
Ph.D. Lond. (Social Anthropol.)
Sr. Lectr.
Lewin, J., B.A., LL B. Cape T
(Native Law and Admin.)
Sr Lectr.
Rheinallt-Jones, J. D., M.A. (Race Relations)
Hon. Lectr.
Mncube, F S M Language Asst
Nyembezi, L. C C.

Language Asst
Mofokeng, S. M., B.A
Language Asst

Botany

Phillips, J., D.Sc. Edin. Prof.
Gilliland, H. B., B.Sc. Edin.,
F.L.S. Sr. Lectr.
Roux, E., Ph.D. Camb., M.Sc.
(Plant Physiol.) Sr. Lectr.
Cohen, C., M.Sc. Lectr.
Hancock, P., M.Sc. Lectr.
2 Temp. Lectrs, 1 Lab Techn

Chemistry and Chem. Engineering

Stephen, H., O.B.E., D Sc Manc.,
F R I.C. Prof
Backeberg, O. G., M.A. Ox, D Sc,
F.R.I.C. Sr. Lectr.
Israelstam, S S, M.Sc, F R I C
Sr. Lectr
Hawke, F., M.Sc. (Eng.) Sr. Lectr.
Arnold, R., M.Sc. Lectr.
Marais, J. L. C., M.Sc. Lectr.
Murray, K. A., M.Sc. Lectr.
Simpson, J D., M.Sc. Lectr.
Schoeman, D. J., M.Sc. (Eng.)
Lectr
3 Temp. Lectrs., 1 Lab. Asst.

Classics

Haarhoff, T. J., B.A. Cape, B.Litt.
Ox., Litt.D. Amst. Prof.
Acheson, G. J., M.A. Ox. Sr. Lectr.
Davis, S., M.A. Camb., D.Litt.
Sr Lectr.

Commerce and Applied Economics

Richards, C. S., M.Com. Durh.,
D.Sc. (Econ.) Prof.

Wimble, B. J. S. (Accounting) Prof.
Thompson, H. C., M.Com. Birm.
Lectr.
Cairns, T., B.Com Cape T Lectr.
van Waasdyk, T., Econ. Doctr.
Rotterdam Research Asst
7 Pt-time Lectrs, 16 Tutors.

Dentistry, v. infra

Economics and Econ. Hist.

Lachmann, L. M., M.Sc. (Econ.),
Dr. rer. Phil. Berlin Prof.
Samuels, L. H., B.Com. Lectr.
2 Pt-time Lectrs.

Education

Williams, T., B.A. Leeds, B.Com.
Hon. Prof.

Engineering, v. infra

English

Greig, J. Y. T., M.A., D.Litt.
Glas. Prof.
Warner, A. J., M.A. Camb.
Sr. Lectr.
Macauley, Sheila, B.A. Lectr.
Butler, F. G., B.A. S.A., M.A.
Lectr.
Girling, H. K, B.A.Ox. Lectr.
van Heyningen, Christina, B.A.
Ox., M.A. Stell. Sr. Lectr.

Fine Arts

Martienssen, Heather, B.Arch.,
M.A. Lectr.
Long, Marjorie K., B.A. (Fine
Arts) S.A. Lectr.
2 Pt-time Lectrs.

French and Romance

Maillard, Denyse, B.A. Ohio, Ph.D.
Paris Lectr.
2 Temp. Lectrs.

Geography

Wellington, J. H., M.C., M.A.
Camb. Prof.
Jackson, S. P., M.A., D.I.C. Lond.
Sr. Lectr.

Geology

- Gevers, T. W., M.A., D.Sc. Cape T.,
Dr.phil. Munich Prof.
Mendelssohn, E., M.A. Harv.,
M.Sc. Sr. Lectr.
Swiegers, J. U., B.Sc. Stell., D.Sc.
Sr. Lectr.
Dunne, J. C., D.Phil. Zurich, B.Sc.
Lectr.
Brink, A. S., M.Sc. Stell. Lectr.

Little, Jeanne de V., M.Sc. Cape T.
Lectr.

1 Lab Asst

German

- Krige, J. D. A., M.A. Cape, Ph.D.
Ghent Prof.
Gimkey, S. F., M.Sc. (Eng.) (G
for Engineering Students)
Pt-time Asst.
Pienaar, P. de V., Ph.D. Hamburg,
M.A. (Phonetics) Hon. Lectr.

Hebrew

- Rabinowitz, L. I., M.A., Ph.D.
Lond. Prof.
Mierovsky, D. Lectr.

History

- Marais, J. S., M.A. Cape T., B.A.,
D.Phil. Ox. Prof.
Keppel-Jones, A. M., M.A. Ox.,
Ph.D. Cape T. Sr. Lectr.
McCracken, J. L., M.A. Belf.
Lectr.

Law, v. also Bantu Studies

- Hahlo, H. R., Dr.Jur. Halle,
LL.B. Prof.
Burchell, E. M., B.A. Ox., LL.B.
Prof.
Kahn, E., B.Com., LL.B.
Sr. Lectr.
6 Pt-time Lectrs

*Mathematics, Actuarial Science
and Statistics*

- Hyslop, J. M., M.A., D.Sc. Glas.,
B.A., Ph.D. Camb. Prof.

- Kerrich, J. E., M.Sc., Dip. Act.
Math. Edin., F.R.A.S. Sr. Lectr.
Young, F., M.A., Dip. Act. Math.
Sr. Lectr.
Welter, C. P., M.Sc. Sr. Lectr.
Sears, D. B., D.Sc. Lectr.
Goch, D. C., B.Sc. Lectr.
Weigert, H., M.Sc. Stell. Lectr.
Tannenbaum, B., M.Sc. Lectr.

Mathematics, Applied

- Le May, H., M.A., B.Sc. Glas.
Prof.
Bleksley, A. E. H., M.Sc. Stell.,
D.Sc. Sr. Lectr.
Oliver, H. O., M.Sc. Stell. Lectr.

*Medicine, v. infra**Metallurgy, v. Engineering infra**Mining, Engineering and Sur-
veying, v. Engineering infra**Music and History of Music*

- Kirby, P. R., M.A. Aberd., D.Litt.,
F.R.C.M., F.R.A.I. Prof.
Paff, W. P. Lectr.
11 Instrs. (Pt.-time).

Philosophy

- White, A. K., M.A. Glas. Prof.
Harris, E. E., M.A., B.Litt. Ox.
Lectr.

Phonetics and Logopedics

- Pienaar, P. de V., Ph.D. Hamburg,
M.A. Prof.
Clemons, A. B., LL.B. Sask., M.A.
Iowa Lectr.
Breckwoldt, G. H., Ph.D. Ham-
burg. Lectr.
van der Horst, C. J., D.Sc. Amst.
Prof. and Hon. Lectr.
(Comp. Anat. of Speech
Organs).
Strachan, A. S., M.A., B.Sc., M.D.,
Ch.B. Glas.
Prof. and Hon. Lectr.
(Pathol. of Speech
Organs)

Penn, R., B.A., Dip. Logoped.
Supervising Clinician.

Physics

Evans, G. T. R., B Sc. Wales Prof
Cooper, M. A., M Sc., Ph D. S A.,
F.Inst P. Sr. Lectr
Wiles, G. G., M.Sc. S.A., D.Phil.
Ox. Sr. Lectr
Logie, H. J., B Sc. Lectr
Huntley, H. E., B Sc Bristol
Lectr.

Aarts, W. H., M Sc. Cape T. Lectr.
Kushlick, I., M Sc. Cape T Lectr
Brommert, J. W., B Sc Lectr
1 Instrument Maker, 1 Lecture
Asst., 1 Lab Asst

Physiology

Stammers, Dighton, M.A. Camb,
D Sc. S.A. Otto Beit Prof.
Bloomberg, B. M., B Sc., M.B.,
B.Ch. Sr Lectr
Bernstein, R. E., M Sc., M B.,
B.Ch. Sr. Lectr.
Hampton, J. W. F., M.A. Camb
Lectr
van der Merwe, J. L., B.Sc. Stell.
Lectr.
Glyn Thomas, Mary, B.Sc. Lond.
Pt-time Lectr.

2 Lab. Technicians.

Psychology

MacCrone, I. D., M.A. Cape T. and
Ox., D Phil. Prof.
Reyna, L. J., Ph.D. Iowa Lectr
1 Pt-time Lectr.

Social Studies

Wagner, O., M.A. Cape T., D.Phil.
Stell. Prof.
Sonnabend, H., D.Sc. Padua
Sr. Lectr.
Potgieter, Miss C., B.A. (Soc. Sc.)
Stell. Lectr.
1 Hon. Lectr., 1 Hon. Tutor.

Zoology and Comparative Anat.

van der Ilorst, C. J., D.Sc.
Amsterdam Prof.
Bolwig, Niels, D.Sc. Copenhagen
Sr. Lectr.

Hovy, J. W. H., Cand. Biol.
Utrecht Lectr.
Louw, Margareth, M.Sc. S. A. Lectr.
Nolte, D. J., M Sc Pret. Lectr.
1 Hon. Lectr, 1 Sr. Lab. Techn.

Engineering

v. also Architecture, Chem. and
Chemical Engin. *supra*

Civil Engineering

Sutton, W. G., B A. Cape, B.Sc.
(Eng) Cape T Prof.
Knight, B. H., D.Sc., Ph D. Lond.
(Highway Eng.) Prof
Ockleston, A. J., B.E.N.Z.,
Ph D Bristol Sr. Lectr.
Buchan, I., B.Sc. (Eng.) Glas.
Lectr.
Clarke, C. H., B Sc., B E. Syd
Lectr
King, W. H., B.Sc. (Eng) Durh.,
B.A. (Admin.) Manc. Lectr.
Ventress, R. G., B.Sc (Eng) Lond.
Lectr.
1 Lab. Techn.

Electrical Engineering

Bozzoli, G. R., B Sc (Eng) Prof
Goldsmith, A., B.A. Cape, B.Sc.
Eng. Sr. Lectr.
Webb, V. L., B.Sc. (Eng.) Lectr.
Cormack, W., B.Sc. (Eng.) Cape T.
Sr. Lectr.
Goldschmidt, E. E., Dip. Eng.
Berlin Lectr.
3 Temp. Lectrs, 1 Sr. Lab. Techn.

Mechanical Engineering

Walker, W. J., D.Sc. (Eng.),
Ph.D. St. And.
De Beers Prof.
Gimkey, S. F., M.Sc. (Eng.)
Sr. Lectr.
Jensen, A. E., B.Sc. Lond.,
M.Sc. (Eng.) Sr. Lectr.
Drysdale, J. Lectr.
De Beer, F. A. H., Dip. Ing.
Hanover, Dr. en pol. Berlin
Lectr.

Troye, A. D., B.Sc (Eng) Lectr.
Seawright, R. M. F, B Sc. (Eng.)

Hon Lectr
1 Sr. Lab Techn., 3 Temp. Lectrs

Metallurgy

Taverner, L., D.I.C. Prof

Millin, D., B.A. Cape, F R.I.C
Sr. Lectr.

Siff, A., M A Cape T. Lectr

Leyman, R. E, B.Sc. (Met) Wales
Sr Lectr

Le Roux, D. B, B.Sc. (Eng.) Lectr

Mining, Engineering and Surveying

Jeppe, C. W B., D.I.C, M.Sc.
(Eng.) De Beers Prof.

Creewell, P. A. Sr. Asst.

Edwards, E. P., B.Sc Lond
(Mining E.) Sr. Lectr.

Freislich, J. G., B.Sc (Eng.)
(Surveying) Sr Lectr.

Lauf, G. B., B.Sc (Eng) (Sur-
veying) Sr Lectr.

2 Temp. Lectrs

Medicine

(for subjects of first 2 yrs.—

Anat., etc., v. *supra*)

Anæsthetics

..... Lectr.

Hon. Demonstrator

Fisher, M., M.B., Ch.B., D.T.M.,
D.A. Liv.

Hon. Asst Demonstrators

Feldman, D., M.B., B Ch

Becker, C.

Hoffmann, S., M.A., B.Ch.

Newbold, V. M, M.B., B S. Melb.

Gunsberg, H., M.B., B Ch.

Frost, C., M.B, B.Ch

Segal, B., M.B., B.Ch.

Samson, H. H.

Bacteriology and Parasitology

Chatgidakis, C. B., M.B., B.Ch.,

D.P.H., D.T.M. Sr. Lectr.

MacGregor, A. I., M.Sc. Demr.

Allison, Anna, B Sc. Asst. Demr.
1 Lab. Techn, 3 Temp. Lectrs.

Diseases of Children

Mellé, B G., B A. Cape, M A.,
B.M., B.Ch. Ox, F R.C S.

Ed Lectr. and Clin. Lectr.

Strawbaun, A. E.

Asst. Clin. Lectr. to Non-
European Students.

Heymann, S. C, M B., B.Ch

Hon. Asst Clin. Lectr.

Javett, S. N, M D., B.Ch.

Hon Asst. Clin. Lectr.

Diseases of Children, Surgical

Tucker, M. K, M.B, Ch.B. Cape
T., F.R.C.S. Ed

Sr Clin Lectr.

Forster, H. P, B Sc. Ox, M B,
Ch.B. Cape T, F R.C S.Ed

Hon Clin. Tutor.

Diseases of the Skin

Gluckman, I.

Lectr and Clin Lectr.

Evans, H.

Asst. Clin. Lectr. to Non-
European Students.

Dispensary Practice

Storr, N. V.

Tutor.

Ear, Nose and Throat, Dis. of

Klugman, D. H., F R C S.Ed

Sr. Clin. Lectr.

Pienaar, J. A., B.A. Cape T., M.D.,
Ch.B. Edin. Hon. Clin. Lectr.

Kerr, W. A., D.L.O. Clin. Lectr.

Jacobson, L. Asst. Clin. Lectr.

Jackson, M., F.R.C.S.Ed, D.L.O.

Asst. Clin. Lectr.

Fox, G. M Asst Clin. Lectr.

Eye, Diseases of the

Franks, M., M.B., B.Ch., F.R.C.S.
Ed., D.O.M.S. Lond.

Sr. Clin. Lectr.

Marais, I., M.B., B.Ch. Dub.,
D.O.M.S. Lond. Clin. Lectr.

Fine, M., D.O.M.S. Lond.

Asst. Clin. Lectr.

Staz, L., B.A., M.B., Ch.B. Dub.,
D.O.M.S. Lond.

Asst. Clin. Lectr.

Forensic Medicine

Mackintosh, R. H. Hon. Prof.

Friedman, J., M.B., B.Ch., D.P.H.
Lectr.

*Hospital Administration and
Conduct*

Mills, K. F. T., M.B., B.Ch. Camb.,
D.P.H. Lectr.

Infectious Diseases, Acute

Bayer, P., M.D., Ch.B. Aberd.
Lectr. and Clin. Lectr.

Slabbert, Martha M., M.B., B.Ch.
Asst. Clin. Lectr. to
African Students.

Medical Practice, Conduct of

Mering, J. de Vos, M.B., Ch.B.
Edin. Lectr.

Medicine

Elliott, G. A., O.B.E., M.D. Cape
T., F.R.C.P. Lond. Prof.

Gear, J. H., B.Sc., M.B., B.Ch.,
D.T.M. & H. Sr. Lectr.

Peskin, M., M.B., B.Ch.
Sr. Lectr.

van Lingen, B., M.B., B.Ch. Lectr.

Ordman, B., B.A. S.A., M.B.,
B.Ch. Liv. Lectr.

5 Temp. Lectrs.
Sr. Clinical Lecturers

Balkin, I. J., M.B., Ch.B. Edin.
Braun, L. I., M.D. Lond., F.R.C.P.

Heimann, H. L., M.D. Lond.
Clinical Lecturers

Agranat, A. L., M.D. Dub.
Suzman, M. M., M.D. Durh.

Baynash, J. B., M.D., D.T.M. &
H. Liv.

Menof, P., M.B., B.Ch.
Asst. Clinical Lecturers

Bell, J. A., M.B., Ch.B., F.R.F.P.
& S. Glas.

Reid, F. P., M.B., Ch.B.

Posel, M. M., M.D. Lond.
Ruskin, H. D., M.B., B.Ch.

Clinical Tutors

Bayer, P., M.D., Ch.B.
Schneider, T., M.B., B.Ch.

Asst. Clinical Tutors

Duthie, C., M.B., B.Ch.

Jacobson, S.

Malk, M.

McLeish, G., M.B., Ch.B. Cape T.,
M.D.

Cumes, J., M.B., B.Ch.

Medicine, Physical

Woolf, E. B. Lectr.

Haden, H., M.B., B.Ch.
Hon. Asst. Lectr.

Neurology

Geerling, R., M.D. Amst.
Lectr. and Clin. Lectr.

Katz, S. M., M.D., Ch.B. Liv.
Asst. Clin. Lectr.

Peskin, M., M.D., B.Ch.
Asst. Clin. Lectr.

Nursing Education

Pietersen, Johanna, M.B., Ch.B.
Edin. Actg. Head of Sub-Dept.

Donald, S. P., D.N. (Hist. of N.
and N. Ethics) Lectr.

Manning, Margaret, D.N. Lectr.

Pledger, H. C. G., Dip. Home Sci.

N.Z. (Dietetics and Kitchen
Management) Lectr.

Wright, M. H., D.N. (Hosp.
Admin. (Matron)) Lectr.

Mills, K. F. T., M.B., B.Ch. Camb.,
D.P.N. (Hosp. Admin. and
Conduct) Lectr.

Obstetrics and Gynaecology

Heyns, O. S., M.A., B.Sc. Cape T.
Prof.

Shippel, S., M.B., B.Ch. Lectr.

Lavery, D. W. P., M.B., B.Ch.

Cawood, S. J., M.B., Ch.B. Cape T.

Sr. Clinical Lecturers

Spence-Smyth, G., B.A., M.D.,
B.Ch., L.M. Dub., F.R.C.P.I.

Krige, C. F., M.A., M.B., B.Ch.
Ox., F.R.C.S.Ed.

Clinical Lecturers

Schabert, J. W., M.D., B.S. Lond.
Boyd, A., F.R.C.S.Ed.
Peltz, P. I., F.R.C.S.Ed.

Asst. Clinical Lecturers

Cohen, S. J., M.B., B.Ch., F.R.C.S.
Edin.
Berger, B., M.B., Ch.B. Edin.
4 Tutors, 1 Sr. Lab. Techn.

Occupational Therapy

Woolf, E. B. Hd. of Dept.
Barber, Kathleen Lectr.
McArthur, Isobel Lectr.

Orthopaedics

Edelstein, J. M., M.B., Ch.B. Edin.,
M.Ch. Orth. Liv., F.R.C.S. Ed.
Sr. Clin. Lectr.
Polonsky, A. D., B.A. Cape T.,
M.B., Ch.B., M.Ch. Orth. Liv.,
F.R.C.S. Ed.
Hon. Asst. Clin. Lectr.
Du Toit, G. T., F.R.C.S.
Hon. Asst. Clin. Lectr.
Moller, C. T., F.R.C.S. Eng. and
Edin. Hon. Asst. Clin. Tutor.

Pathology

Strachan, A. S., M.A., B.Sc.,
M.D., Ch.B. Glas. Prof.
Chatgidakis, C. B., M.B., B.Ch.,
D.P.H., D.T.M. & H.
Sr. Lectr.
Kay, J. A., M.B., Ch.B. Lectr.
Proctor, N. S. F., M.B., Ch.B.
Lectr.
Webster, I., B.Sc., M.B., B.Ch.
Lectr.
1 Lab. Techn.

Pathology, Clinical

Buchanan, G., M.D., Ch.B., D.P.H.
Edin. Prof.
Stein, H. B., M.Sc., M.B., B.Ch.,
D.P.H. Sr. Lectr.
Griffiths, S. B., M.B., Ch.B. Cape
Lectr.
Becklake, M. R., M.B., Ch.B. Lectr.

Holman, S., B.Sc., M.B., B.Ch.
Lectr.

Pathology, Surgical

Colsen, K., M.D. Berlin, M.B.,
B.Ch. Lectr.

Pharmacology and Therapeutics

Watt, J. M., E.D., M.B., Ch.B.
Prof.
Stephen-Lewis, Florence V., M.Sc.,
M.D. Manc. Lectr.
Brown, W. S. Lectr.
Brown, M., M.B., Ch.B. Edin. Lectr.

Physiotherapy

Woolf, E. B. Hd. of Dept.
Haden, H., M.B., B.Ch. Lectr.
Dreyer, Tilly, B.Sc., M.B., B.Ch.
Lectr.
Shunn, Audrey, B.Sc. Physio-
therapy Lectr.
Blair, Jean Lectr.
3 Assts., 4 Hon. Lectrs.

The teaching staff of this dept. is
also contributed to by the
staffs of the Depts. of Physics,
Chem., Zool., Anat., Physiol.,
Surgery, and Gynaecol. and
Obstetrics.

*Plastic, Maxillo-Facial and Oral
Surgery*

Penn, J., M.B.E., M.B., B.Ch.,
F.R.C.S. Ed.
Sir Ernest and Lady
Oppenheimer Prof.
Brown, L. J. Lectr.
4 Hon. Lectrs.

Preventive Medicine

Cluver, E. H., E.D., B.A. Cape,
M.A., D.M., B.Ch. Ox., D.P.H.
Lond., F.R.S.I. Prof.
Pietersen, Johanna U., M.B., Ch.B.
Edin., D.P.H. Lectr.
Laing, G. D., B.Sc., M.B., B.Ch.
St. And., D.P.H., D.T.M. & H.
Lectr.
Gear, J. H. S., B.Sc., M.B., B.Ch.,
D.P.H., D.T.M. & H.,
Dip. Bact. Lond. Lectr.

Ordman, D., B.A., M.B., B.Ch.
Cape T., D.P.H. Lectr.
Eagle, P. C., M.B., Ch B. Cape T.,
D.P.H. Lectr.
Annecke, S. Lectr.
De Meillon, B., D.Sc., F.R.E.S.
Lectr.
Fox, F. W., D.Sc. Lond. Lectr.

Psychiatry and Mental Hygiene

Twomey, J. C., M.D., Ch.B.,
D.P.H. Liv. Prof.
de Vos, P. J. G., M.B., Ch.B. Durh.
Clin. Lectr.
Gillis, K., M.B., Ch.B. Edin.
Clin. Lectr.
Du Toit, Felix, M.B., Ch B. Edin.
Lectr.
Katz, S. M., M.D., Ch B. Liv
Hon. Clin. Lectr.
Cox, Alice, M.B.E., M.D., Ch.B.
Edin. Hon. Clin. Lectr.
6 Clin. Demrs.

Radiology

Jacobson, J. N., D.M.R.E. Camb.
Lectr.
Kaye, J., D.M.R. Cape T. Lectr

Surgery

Underwood, W. E., O.B.E., M.A.,
M.B., B.Chir. Camb., F.R.C.S.
Prof.
5 Temp. Sr. Lectrs.
Sr. Clinical Lecturers
Douglas, J. A., M.D., Ch.B. Edin.,
F.R.C.S.Ed.
Pocock, W. A., B.A., M.B., B.Ch.
Camb., F.R.C.S.
McGregor, A. Lee, M.B., Ch M.
Edin., F.R.C.S.

Clinical Lecturers

Almond, R. L., M.B., B.S. Melb.,
F.R.C.S.Ed.
Trubshaw, W. H. D., F.R.C.S.
Ingram-Clark, C. T., M.B., F.R.C.S.
Ed.

Wolfowitz, J., M.B., B.Ch.,
F.R.C.S.Ed.

Asst. Clinical Lecturers

Trehair, E. B. H., M.B., B.Ch.,
F.R.C.S.
Pencharz, N., M.B., Ch B.,
F.R.C.S.Ed.
Fleming, R. J., M.B., B.Ch.,
F.R.C.S.Ed.
Dreosti, A. E., M.B., Ch.B. Cape
T., F.R.C.S.
1 Lab Techn.

Systematic Surgery

Underwood, W. E., M.A., M.B.,
B.Ch. Camb., F.R.C.S. Prof.

Tropical Medicine

Gear, J. H. S., B.Sc., M.B., B.Ch.,
D.P.H., D.T.M. & H., Dipl.
Bact. Lond. Lectr.

Urology

Brayshaw, H. C., M.B., Ch.B.
Edin., F.R.C.S. Eng. and Ed.
Sr. Clin. Lectr.
Thomson, G. C., M.B., B.Ch.
Clin. Lectr.
Hoffmann, S. J., M.B., B.Ch.,
F.R.C.S.Ed.
Asst. Clin. Lectr.

Venereal Diseases

Steff, B., M.B., B.Ch.
Sr. Clin. Lectr.
Robins, A. Asst. Clin. Lectr.
Frootko, J. I. II., M.D.
Asst. Clin. Lectr.

Dentistry

(for subjects of first 2 yrs.—Anat.,
etc.—and for other subjects
common to D. and Medicine—
Pathology, e.g.—v. *supra*)

Shaw, J. C. M., M.A., B.Dent.Sc.
Dub., D.D.S., F.R.S.S.Af.
Prof., also Lecturer in D.
Anat., Physiol. and
Histol.

Children's D.

Kotze, A. J., M.B., Ch.B. Edin.,
B.D.S.

Lectr. and Clin. Lectr.,
Lectr. also in Dentistry
for Medical Students.

Conservative Operative D.

Shepherd, G. F., L.D.S. Liv.
Lectr. and Clin. Lectr.

D. Anæsthetics

Fisher, M., M.B., Ch.B. Liv., D.A.
Lectr. and Clin. Lectr.

Becker, C. C. Clin. Lectr.

Bentel, H., M.B., B.Ch.
Clin. Lectr.

D. Ethics and Jurisprudence

Shaw, J. C. M., M.A., B.Dent. Sc.
Dub., D.D.S. Hon. Lectr.

D. Histopathology

Staz, J., D.D.S., H.D.D. Glas.
Lectr.

D. Materia Medica

Breyer, J. H., Tandarts, Utrecht
Lectr. and Clin. Lectr.

Maxillo-Facial and Oral Surgery

Brown, L. J. Lectr.

D. Mechanics

Berry, T. B., B.Sc. (Eng.)
Lectr. and Demr.

D. Prosthetics

Hossack, F. A., L.D.S.
Clin. Lectr.

Orthodontia

Coburn, G., D.D.S. Mich.
Lectr. and Clin. Lectr.

D. Radiology

Abrams, M., L.D.S. Liv.
Clin. Lectr.

D. Pathology

Staz, J., D.D.S., H.D.D. Glas.
Lectr.

Public D.

Laing, Jean, L.D.S., D.P.D. St.
And. Hon. Lectr.

D. Surgery

Staz, J., D.D.S., H.D.D. Glas.
Lectr.

D. Therapeutics

Breyer, J. H., Tandarts, Utrecht
Lectr. and Clin. Lectr.

32 Hon. Clin. Lectrs. in Operative,
Conservative or Prosthetic
Dentistry.

1 Demr. in Histol. and Histo-
pathol.

4 Dental Mechanicians.

ASSOCIATED INSTITUTIONS. There are several hospitals as well as the South African Institute for Medical Research in which students of Med. carry out a part of their curriculum.

LIBRARY STAFF. P. Freer, B.A. Birm., F.L.A. (Librarian); Elizabeth Hartmann, B.A., F.L.A. (Deputy Librarian); Mavis E. G. Anderson, B.A. Bristol, London Sch. of Librarianship Dip., F.L.A., in charge of Orders, Cataloguing and Classification (Assistant Librarian); I. Isaacson, B.A., F.S.A.L.A., in charge of Periodicals, Official Publications and Binding (Assistant Librarian); Phyllis E. Krige, B.A., F.S.A.L.A., in charge of the Witwatersrand Medical Library (Assistant Librarian); 8 Assistants.

GENERAL INFORMATION

For early history, see *Yearbook* for 1929, p. 518. In 1921 University College, Johannesburg, was reincorporated as the University of Witwatersrand, Johannesburg, with effect from March 1, 1922. This development was made possible partly by support from the public, including contributions by the Chamber of Mines (£50,000), Standard Bank of S.A., Nat. Bank of S.A., Central

Mining and Investment Corporation, and De Beers Cons. Mines, Ltd. (£10,000 each), Sir Otto Beit (£8000), and many others, amounting in all, up to the end of 1922, to over £220,000. The Municipality provided a fine site (100 acres) at Milner Park, a mile from the centre of the town. Expenditure on buildings and lay-out up to 31st Dec. 1945 amounted to £1,186,832. LIBRARIES: Central, and several departmental. MUSEUMS: Several departmental.

FACULTIES. Arts, Sc, Med., Engin, Comm., Law, Dentistry, Architecture.

DEGREES. B.A., B.Sc. or B.Mus., 3 yrs., Hons. 4 yrs.; B.A. in Logopedics, B.A. in Fine Arts or B.A. in Social Studies, 4 yrs.; M.A. or M.Sc., 1 yr. after Hons. and Thesis; D.Litt., D.Phil., LL.D. or D.Sc., Thesis; M.Ed., Thesis; B. Com., 3 yrs.; M.Com., Examn. and Thesis; B.Sc. (Eng.), 4 yrs.; M.Sc. (Eng.), D.Sc. (Eng.), Thesis; B.Sc. Q.S., 5 yrs.; B.Arch., 5 yrs.; M.Arch., Thesis; LL.B., 3 yrs. (postgrad.); LL.M., LL.D., Thesis; B.Sc. Physiotherapy, 4 yrs.; M.B., B.Ch., 6 yrs.; M.D. or Ch.M., Thesis and Examn.; B.D.S., 5 yrs.; D.D.S., Thesis.

DIPLOMAS. German; Bantu Studies; Native Affairs; Geog.; Music; Philos.; Logopedics; Social Work; Clinical Pathol.; Anaesthetics; Forensic Med.; Public Health; Tropical Med and Hyg.; Psychol. Med.; Ophthalmic Med. and Surg.; Physical Med.; Nursing; Midwifery; Social Nursing; Nursing Admin.; Occupational Therapy; Actuarial Maths.; Economics of Local Govt. and Pub. Admin.; Pub. Dentistry; Archit.; Quantity Surveying; Town Planning.

COURSES for Teachers' Certificates; Law Certif.; Civil Service Law Examn.; Land Surveying; Professional Examns. in Accounting and Auditing.

FEES from £186 (B.A.) to £486 (M.B., B.Ch.).

SCHOLARSHIPS FOR GRADUATES. Chamber of Mines, £350 for 1 yr.; Adolph Wagner (Engin.), £170 tenable in S. Africa or overseas; University Council, 2 of £225 for 2 yrs.; Witwatersrand Council of Education, 2 of £250 for 2 yrs.; Ainsworth (Modern Hist.), minimum £250 p.a. for 2 yrs. plus £50 for books, awarded every 3rd yr.; The Anne Cleaver Memorial Fund for Medical Research work; Beit Railway Trust, Engineering; H. B. Webb, £300 for 2 yrs.; Union Government, 2 of £225 p.a. for 2 yrs.; The Mellor, £250 p.a. for 1 yr. or more (Research in Biochem. or in Biophysics); Het Studiefonds voor Zuid-Afrikaanse Studenten, 2 of £150 p.a.; The Automobile Association of South Africa, £250 p.a.; The Concrete Association of South Africa for Research in Highway Eng., £250 p.a.; The Iscor-Satmar for Research in Road Engineering, £320 p.a.; Sir Herbert Baker, £300; Rhodes, £400 p.a.; Elsie Ballot, £400 p.a.; Royal Commission for the Exhibition of 1851, £350 p.a. for 2 yrs.; Cecil John Adams Memorial Trust for Research Scholarships for Medical Graduates (Endowment of £25,000); Hamilton Bequest, £300 p.a.; v. also Introductory Chapter

RESIDENCE. Hostels for 180 men ("civilian" students), 350 ex-Service men, 135 women (including ex-Service women), 30 non-European or African Medical students. Charges, £84 p.a. for "civilian" students, £72 p.a. for single ex-Service men, £192 p.a. for married ex-Service men.

UNIV. EXTENSION. Public lectures under joint auspices of Univ. and W.E.A. Afternoon and evening courses for teachers and others in regular employment, who may by attending them qualify for B.A. degree (4 yrs.). Part-time course for B.Com. (4 yrs.).

PUBLICATIONS. *Calendar*; *Bantu Studies*; *S.A. Journal of Medical Sciences*

THE YEAR 1947

BENEFACTIONS S.A. Red Cross Society annual grant, £9387 for maintenance of the Brenthurst Section of Maxillo-Facial, Oral and Plastic Surgery at Dental and Oral Hospl.; Union Government (annual grant), £162,197 for current expenditure and interest and redemption of loans, £20,695 for cost-ofiving allowances, subsidy in respect of ex-volunteer students, £57,652, for oil Conservation Course, £26,321, for building alterations, £2000; Dept. of Agriculture for Soil Conservation Course, £11,840; City Council of Johannesburg, 5000 for General Purposes, £9000 for specific purposes, £6000 for undergraduate scholps. and bursaries; Transvaal Society of Accountants, £333 for general purposes; Transvaal Chamber of Mines, £3250 for specific purposes; Transvaal Provincial Administration, £1791 for specific purposes; S.A. federal Assoc., £150 for specific purposes; Johannesburg Hospital, £460 for specific purposes; Native Recruiting Corporation, £333 for specific purposes; S.A. Iron and Steel Corporation, £500 for specific purposes; National Roads Board, £500 for specific purposes; Nuffield Orthopaedic grant, £400; Carnegie Corporation, New York, £743 for medical research; The Bernard Price bequest, £2000 for palaeontological research; R K. Fraay Institute, £250 for Chair of Afrikaans Language and Folklore; S.A. Society of Accountants, 250 for Chair in Accountancy; United Hebrew Congregation, £500 for chair in Hebrew; various other bodies, £13,890 for bursaries, scholarships and prizes.

NEW DEPARTMENT. Sub-Dept. of Actuarial Science and Statistics.

NEW POSTS. Chair of Afrikaans Language and Folklore; Senior Lectureships in the Depts. of Afrikaans and Nederlands, Chem., Commerce (Accountancy Subjects), Geol. and Physics; Lectureships in Archit. and Quantity Surveying, Civ. Engin., Fine Arts, Phonetics and Logopedics, Orthopaedic surgery, Physics and Physiotherapy.

RESIGNATIONS. Prof. R. G. McKerron (Law); Dr. E. B. Woolf (Occ. Ther. and Physiotherapy); P. H. Guenault (Econ. and Econ. Hist.); I. Castleton (Arch. and Quan. Surveying); Dr. T. W. B. Osborn (Physiol.); I. B. S. Cooke (Geol.); Miss N. Crousaz (Occ. Ther.); B. A. Farrell (Philos.); Miss S. Highman (Physiol.); S. D. Neumark (Econ. and Econ. Hist.); C. Rogers (Mech. Eng.); Dr. S. Sims (Pathol.); Dr. K. Weinbren (Anat.); E. Westphal (Bantu Studies); R. Threlfell (Ind. Econs.).

RETIREMENTS. Prof. E. Balogh (Compar. Law); Prof. I. F. Maingard (French and Romance); Prof. J. Colin Murray (Mercantile Law); Prof. H. H. Paine (Physics); Prof. G. E. Pearce (Arch. and Quan. Surveying); Prof. O. R. Randall (Elect. Eng.).

DEATHS. Major O'Hara, who was responsible for the establishment of the University Committee which developed the University; Sir William Thomson, former Principal; Mr. J. Hungerford, Member of Council; Prof. Emeritus J. Colin Murray, former Prof. of Mercantile Law; Prof. J. L. Gray, Prof. of Social Studies; Dr. B. W. Vilakazi, Sr. Lang. Asst., Dept. of Bantu Studies; Mr. F. J. Ward, Dental Hospl.; Dr. W. Steen Jackson, Sr. Dental Surgeon, Dental Hospl.

HONORARY DEGREE. Dr. Joseph Henry Dobson.

STUDENTS. Full-time: 4238; part-time: 886.

CHANGES IN REGULATIONS. The Minister approved amendments to the Regns. governing the following courses: B.A., B.Mus., B.Sc. Soil Conservation,

M.D., M.B., B.Ch., B.Sc. (Eng.), M.D.S., B.D.S., B.Arch., B.Sc. (Quan. Sur.); Dip. in Nursing, Dip. in Psych. Med.

The Minister approved amendments to Regns. to provide for the introduction of the Ph.D. degree in the Facs. of Sci. and Engin. and for Diplomas in Midwifery, Nursing Admin., Ophthalmic Med. and Surg., Physical Med., Social Nursing, Anaesthetics (in the Fac. of Dentistry).

EXTRA-MURAL WORK. Members of staff served on the following public bodies: S.A. Inst. of Race Relations; S.A. Assocn. for the Advancement of Science; S.A. Entomological Soc.; S.A. Blood Transfusion Service; S.A. Library Assocn.; Economic Society of S.A.; Geographical Society of S.A.; Historical Monuments Commission; Transvaal Association of Non-European Boys' Club; Associated Scientific and Technical Societies of S.A.; Consultative Committee of the Johannesburg Public Library; Consultative Committee of the Johannesburg Municipal Museum; Atrikana Museum Consultative Committee; Transvaal Workers' Educational Assoc.; Juvenile Affairs Board; S.A. Inst. of Engineers; Transvaal Soc. of Accountants; Leprosy Advisory Committee.

DEGREES B.A. (pass), 123; B.A. Soc. Sci., 10; B.A. Hons., 13; B.A. Hons., Soc. Sci., 1; M.A., 4; Ph.D., 1; M.Ed., 1; B.Mus., 4; M.Mus., 1; B.Sc. (pass), 46; B.Sc. Hons., 22; M.Sc., 7; D.Sc., 2; B.Sc. (Physiotherapy), 13; B.Sc. (Eng.), 132; M.Sc. (Eng.), 6; D.Sc. (Eng.), 1; M.B., B.Ch., 216; M.D., 14; M.S., 1; B.Com., 25; LL.B., 10; B.D.S., 27; M.D.S., 1; B.Arch., 16; B.Sc. (Quantity Surveying), 1.

DIPLOMAS. Logopedics, 3; Native Affairs, 1; Social Studies, 1; Public Health, 16; Tropical Medicine and Hygiene, 1; Nursing, 14; Occ. Therapy, 6; Architecture, 6; Quantity Surveying, 5; Town Planning, 8.

THE UNIVERSITIES OF INDIA

[NOTE.—In previous issues of the *Yearbook* this introductory chapter on the "Universities of India" referred to institutions which are now in India and Pakistan. Since the political division of the two countries it has not been possible to write a new introduction applying to the Universities of India alone, although a brief introduction on the Universities of Pakistan has been provided through the good offices of the Educational Attaché of the Office of the High Commissioner for Pakistan and is given on pp. 924-25. The following statement on the Universities of India, therefore, represents the account given in previous issues, with the appropriate deletions to bring the references to the individual Universities into line with the present political situation. At the time of going to Press it is understood that new Universities at Solan (East Punjab University) and at Jaipur (University of Rajputana) have been established in India and appropriate entries will appear in the next edition of the *Yearbook*.]

UNIVERSITIES were first established in British India as a result of the great parliamentary inquiry into the condition of India which preceded the confirmation of the Company's Charter in 1853. It was resolved to create a properly articulated system of education from the Primary School to the University. The London University, at that time a purely examining body, which admitted to its tests only the students trained in affiliated institutions—the latest device of educational statesmanship—was taken as a model. "It had been suggested, in London, by conditions which resembled those of Bengal. . . . Its defects were not yet apparent, though it was to be profoundly modified by London itself four years later. It had the advantage of costing very little. It enabled all the existing collegiate institutions, whether Government or missionary, to be worked into the same scheme, and promised to provide a quite impartial mode of testing the qualifications of students for Government service. Above all, it gave freedom to the non-Government Colleges—all, at that date, mission colleges—to carry on their work in their own way, and offered them help from public funds for the secular side of their work" (*Report of the Calcutta University Commission, 1917-19*). In pursuance of this policy, Universities were founded in 1857 at Calcutta, Bombay and Madras. The framers of the policy, while contemplating that the ordinary subjects of study should be dealt with by the Colleges, did not intend that the Universities should have no teaching functions, but in point of fact until about 1914 they concerned themselves solely with examinations. In 1887 the University of Allahabad was established on similar lines. A Commission was appointed in 1902 to examine the working of the system, and the Universities Act of 1904 was designed to give effect to its recommendations as to reorganization of the government of the Universities, their assumption of teaching functions, and more effective supervision by them of the

Colleges, as well as more exacting conditions of affiliation. University Professorships, Readerships and Lectureships have accordingly been constituted in the above-named Universities, but mainly for advanced (postgraduate) courses and, except in Calcutta, only on a very small scale. Benares (Hindu), Mysore and Patna Universities were established in 1916 and 1917. The Osmania University, Hyderabad, Deccan, was also established in 1918, though actual tuition began only in Aug. 1919.

The foundation, structure, aims and efficiency in working of institutions for higher education in India have been subjected to exhaustive re-examination by the Calcutta University Commission, 1917-19. In the University of Calcutta itself but little progress has been made towards giving effect to the far-reaching and fundamental changes recommended by this body, but their recommendations have to a great extent determined the lines on which a number of new Universities were established in 1920 and following years. Aligarh, Lucknow and Allahabad may be described as unitary, teaching and residential Universities; and the University of Agra was created under an Act of the United Provinces of 1926 for the purpose of affiliating all the colleges previously associated with the University of Allahabad which had not been transferred to the Nagpur University (*see below*). Delhi has constituent colleges which are not wholly controlled by the University and may perhaps be described as residential and "semi-unitary." Patna approaches them in type. The Patna University Act of 1917 was amended by an Act in 1932 so as to make the constitution correspond with existing conditions. Part of the teaching in Delhi is carried on by the Univ. itself. The Nagpur University was established by legislation in 1923 and took over a number of colleges previously affiliated to Allahabad, to which has been added an Agricultural College. The University itself carries on the teaching of law. In 1926 an Act of the Madras Legislative Council provided for the establishment of an affiliating University at Bezwada (the Andhra University). The headquarters of Andhra University have been moved to Waltair. Bombay University was reorganized in 1928, and the new Act came into force in 1929. The report of the Bombay University Reform Committee (published 1925) recommends the establishment of a University at Poona. The latest additions to the universities of India are the Annamalai University of Annamalaiagar in Southern India, established by an Act of the Madras Legislature of 1928 as a unitary, resident and teaching University, and the University of Travancore, founded in 1937, which is primarily a teaching University established at Trivandrum without powers of affiliation, though four mofussil Colleges were admitted to its privileges as a special arrangement. The constitution of a new Province of Orissa in 1936 resulted, with the active collaboration of the States of Orissa, in the establishment at Cuttack of the Utkal University in Aug. 1943. The University is an examining body.

The *Review of Growth of Education in British India* * by the Auxiliary

* Interim Report of the Indian Statutory Commission, 1929; Cmd. 3407. H.M. Stationery Office.

Committee on Education appointed by the Indian Statutory Commission (generally referred to as the Hartog Report) gives an account both of recent progress in University education in India and of some of its main defects. In the smaller Colleges and residential Universities the old system of mass teaching has been supplemented by valuable tutorial work, especially for Honours students. Research work, which barely existed in Indian Universities when the Islington Commission reported in 1915,* now finds its place in all the Indian Universities, and the character of the staff in the unitary Universities and in central organizations of the affiliated Universities has been largely transformed. The laboratories and libraries have been greatly improved; "but the majority of University libraries are inadequate and all need great additions." There are signs that the University and College authorities are beginning to realize more fully the value of corporate life and social activities.

The Universities are turning out large numbers of graduates who cannot find employment. According to the Hartog Report "they are overcrowded with men who are not profiting either intellectually or materially by their university training"; and it is suggested that students who now go to Universities without being really fitted for higher work should be diverted in large numbers at an earlier stage to careers better suited to their capacity; and that if this were done money would be set free for more profitable educational uses, and the training of the best men could be appreciably improved.

CONSTITUTION. (a) The University of Calcutta is still governed by the constitution framed under the Act of 1904. But in its application to Calcutta the Act of 1904 is modified by Acts II. of 1905, XI. of 1911 and VII. of 1921; and the University has, under its existing powers, created important Postgraduate Councils in Arts and in Science, each with an Executive Committee. The constitution of the University of Madras was modified by local Acts, VII. of 1923 and XII. of 1929, with a view to establishing a teaching and residential University at Madras, while enabling the University to continue to exercise due control over the quality of the teaching given by Colleges which are to constitute the University or are affiliated to it (Preamble to Act of 1923). Under these Acts there were constituted an Academic Council, Faculties and Boards of Studies. A Council of Affiliated Colleges established in 1923 was abolished in 1929. The University of Bombay is governed by Act IV. of 1928, amended in detail by subsequent Acts, especially Act XV. of 1930. The Senate comprises the Chancellor, the Vice-Chancellor and other Fellows, the executive government being vested in a Syndicate of 18 or 19 members, including the Vice-Chancellor and the Director of Public Instruction and members (largely College teachers) elected by the Senate or the Faculties. There are also an Academic Council and a Board of Postgraduate Studies. The constitution and abolition of Faculties rests with the Senate.

* See Note by the Earl of Ronaldshay, Sir V. Chirol, and Mr. H. A. L. Fisher in Report of Royal Commission on the Public Services in India, vol. i. p. 109; Cd. 8382. H.M. Stationery Office, 1917.

(b) The new Universities in British India have a constitution modelled generally on that recommended for Calcutta by the Calcutta University Commission : (1) A large body called the Court, on which are represented the chief interests of the community either by election or by nomination, and including a number of ex-officio members, makes statutes and makes recommendations on the financial accounts and the annual report submitted by the Executive Council ; (2) the Executive Council of some 15-20 members, elected partly by the Court, partly by the Academic Council, and including ex-officio members, is the executive authority in regard to finance and University appointments, and exercises all residual powers ; (3) the Academic Council, which consists almost entirely of University teachers, is responsible for the regulation and maintenance of standards of education and examination within the University, and for the initiation of all changes in academic matters. The executive officers of the new Universities are, as under the older constitution, the Chancellor, the Vice-Chancellor and the Registrar, but the Governor-General is now in nearly all cases introduced as the Visitor or Lord Rector, with powers of inspection.

ADMISSION TO THE UNIVERSITIES Most of the Indian Universities admit students who have passed the Final Examin. of the High Schools, and 4 years are spent at a College affiliated to the University before the student is qualified to sit for the Bachelor's Degree Examin., namely, 2 years before the Intermediate Examin. and 2 after. The Universities of Allahabad, Delhi, Lucknow and Agra regard the pre-Intermediate years not as part of, but as preliminary to, University study.

Applications for **AFFILIATION** are generally submitted by the Syndicate, which must be satisfied as to the managing agency, teaching staff, provision for residence of students, equipment, financial resources, suitability of fees, etc. If granted, the courses in respect of which the College is affiliated are specified. Affiliated Colleges must comply with requisitions by the Syndicate for information, submit themselves to inspection under the Syndicate's orders, and take such action as may be ordered consequent upon such inspections. In Calcutta University affiliation questions are dealt with by the Senate. The powers of affiliation by the University can in some Universities only be exercised subject to the approval of Government.

TERMS. University exams. are, with few exceptions, held between March and June. Admissions are made as a rule in June or July, though in many cases regular work does not commence till Sept. or Oct.

DEGREE COURSES. In *Arts and Science* a 2 yrs.' course leading to an Intermediate examn. is followed by a further 2 yrs.' course for the Bachelor's degree. English is generally a compulsory subject for the B.A. and in some cases for the B.Sc., and is generally the medium of examination in all Universities except Osmania, where the medium is Urdu. Andhra, Annamalai, Delhi, Lucknow, Madras, Mysore, Nagpur and Travancore give Honours degrees in Arts and Science requiring an additional year of study. Elsewhere the Honours degree is generally

given on papers additional to those for the Pass Agra, Allahabad and Osmania give no Honours degrees

The Intermediate courses are under the control of the Universities except at Agra, Allahabad and Lucknow, where they are controlled by Boards of Intermediate Education.

Agriculture For the B.Sc. (Ag.), Andhra, Bombay and Madras give a 3-yr. course, and Agra, Allahabad, Nagpur and Patna a 2-yr. course after an Intermediate examn. in Agriculture.

Commerce The B.Com. course offered at Agra, Allahabad, Andhra, Calcutta, Lucknow, Madras, Nagpur, Patna and Utkal is generally a 2, in some cases a 3-yr. course after passing the Intermediate examn. in Arts. In Bombay it is a 4-yr. course after Matriculation.

Education and Teaching. A degree open to graduates in Arts and Science after a 1-yr. course is called the B.T. at Agra, Aligarh, Benares, Bombay, Calcutta, Madras, Mysore, Nagpur and Travancore, B.Ed. at Andhra and Lucknow, and Dip. Ed. at Osmania, Patna and Utkal. Lucknow gives a Diploma in Teaching to women graduates after a 1-yr. course.

Engineering. For B.Sc. (Engineering), Agra, Benares, Mysore, Patna and Travancore give a 5-yr. course after Intermediate examn. in Science; for the B.E. or B.Sc. (Engineering) or B.C.E., Aligarh, Annamalai, Calcutta, Madras and Osmania have a 4-yr. course, and Bombay a 3-yr. course after Intermediate examn. in Science or equivalent examn. Benares gives a B.Sc. (Engineering) in Mining and Metallurgy after a 4-yr. course.

Law. The LL.B. (or B.L.) course covers 2 yrs. (Calcutta ordinarily 3 yrs.) after graduating in Arts or Science. Bombay gives a 3-yr. course after Intermediate Examn. in Arts or Science. Degrees in Law are not at present given at Annamalai and Mysore.

Medicine. Medical courses are taught in a majority of Universities. The M.B., B.S. course covers 5 yrs. at Agra, Lucknow, Osmania and Patna (after Pre-medical examn.), $5\frac{1}{2}$ yrs. at Andhra, Calcutta, Madras and Mysore, and 3 yrs. at Bombay after the Intermediate examn. in Science or some equivalent examn. The Utkal Univ. has recently started this course. The Aligarh Univ. gives degrees in Unani and Surgery in 5 yrs. and Benares in Ayurvedacharya in 6 yrs. Besides these, there are other diploma courses in Pharmacy and different branches of Medicine at some of the Univs. Mysore and Patna also give an L.M.P. course of 4 yrs. after Matricn.

HIGHER DEGREES. The M.A. and M.Sc. (for which there are in some Universities two examns.) can generally be taken by Bachelors after a 2 yrs.' course, or after 1 yr. by Bachelors who have taken a 3-yr. Honours course. In Mysore a 2 yrs.' course is compulsory for all candidates. Madras gives an "M.A. in research" and Madras and Travancore an M.Sc. degree by thesis. In Madras the M.A. degree was formerly conferred on Honours graduates after a certain interval; and Annamalai follows the same procedure.

In Arts, the D.Litt. degree may be taken at Agra by Ph.D.s in 2 yrs., at Allahabad by Ph.D.s in 2 yrs. and M.A.s in 7 yrs., at Annamalai by Ph.D.s and M.Litt.s in 1 and 2 yrs. respectively, at Benares

by Ph.D.s in 3 yrs., M.A.s in 7 yrs. and teachers with M.A. degrees in 6 yrs ; at Lucknow by Ph D s, in 5 yrs. and *honoris causa* ; at Madras by Ph.D.s in 2 yrs. and M.A.s in 3 yrs. ; at Mysore by B.A.s (Hons.) in 5 yrs and M A.s in 4 yrs. ; at Nagpur by Ph D s in 3 yrs and M A s in 8 yrs. ; at Patna by M.A.s in 3 yrs. by thesis and 2 papers , and at Utkal by Ph.D.s in 3 yrs and by M A s in 5 yrs

The Ph.D. degree may be taken by M.A.s at Agra in 3 yrs., at Allahabad after a 20 months' course by thesis, at Andhra in 2 yrs. (B.A. Hons. in 3 yrs.), at Annamalai in 3 yrs. (Hons graduates in 3 yrs and M Litt. in 2 yrs.), at Benares in 2 yrs. (B.Sc.—Mining, Metallurgy and Engineering in 3 yrs.), at Calcutta in 3 yrs (1st Class graduates in Hons Mathematics in 2 yrs), at Madras in 3 yrs. (graduates in Hons. in Oriental Learning, Medicine, Engineering, Agriculture and Technology in 3 yrs ; M Ed. in 2 yrs.), at Nagpur in 3 yrs. (M.Sc. in 2 yrs.), at Osmania and Patna in 3 yrs , and at Utkal in 2 yrs

The D Sc. may be taken at Agra by Ph.D.s in 2 yrs. and M.A., M Sc.s in 5 yrs., at Allahabad by Ph D.s in 2 yrs and M.Sc.s in 7 yrs., at Andhra by M.Sc.s or M.B. B.S. in 3 yrs., at Annamalai and Benares as for D.Litt., at Calcutta in Engineering by thesis, at Mysore as for D Litt., at Nagpur by M Sc.s in 3 yrs., and at Utkal as for D Litt.

A degree of M Ag is given at the Universities of Agra, Benares, Bombay and Nagpur in 2 yrs. after B.Ag. or B Sc (Agr. or Botany).

A degree of M.Com. may be taken by a B.Com. in 2 yrs. at Agra, Allahabad, Andhra (B.Com Hons in 1 yr.), Bombay and Lucknow.

The degree of M.Ed. may be taken at Allahabad, Andhra and Nagpur in 2 yrs., at Madras, Osmania and Patna in 1 yr. after B.T. or B.Ed.

The LL.M. (or M.L., as the case may be) of Agra, Aligarh, Allahabad, Benares, Bombay, Calcutta, Delhi, Lucknow, Madras, Nagpur, Osmania, Patna and Travancore may be taken by graduates in Law of 2 yrs.' standing. The LL.D. (or D L., as the case may be) is generally given by thesis and open to LL M.s (or M.L.s) of prescribed standing ; at Lucknow and Nagpur, 3 yrs. , Benares, Calcutta, Madras and Patna, 1 yr. At Allahabad the LL D. is given by thesis to LL.M.s who have had 5 yrs.' professional practice. At Delhi the course of LL.D. is under revision. Lucknow also confers the degree *honoris causa*.

The degrees of M.D. and M.S. (Master of Surgery) may be taken by graduates in Medicine and Surgery after intervals varying in different Universities of from 1 to 5 yrs. after graduation, mostly by examination, but in some cases by thesis ; varying requirements in regard to hospital and professional practice are imposed. Bombay gives the degrees of Bachelor of Hygiene (after a 1-yr. course), Doctor of Hygiene (after a further 1 yr. of practice) to medical graduates, and Bachelor of Dental Surgery in 4 yrs. after Intermediate Science ; Madras gives a Bachelor of Sanitary Science after a 1-yr. course, and Calcutta gives a D.P.H. after a prescribed course of study, to medical graduates.

Bombay, Calcutta and Madras give a Diploma in Ophthalmology, Calcutta and Lucknow give the Diploma of Obstetrics, Bombay gives a Diploma in Psychological Medicine and Madras gives a Diploma in Midwifery to medical graduates.

At Bombay, the degree of Master of Engineering is given by

thesis or examn to Bachelors of Engineering who have practised their profession for 3 yrs. after graduation ; at Mysore 1 yr. after B.E. At Calcutta, a D Sc in Engineering is given by thesis.

Oriental Learning. Besides courses for degrees in Arts in classical Oriental languages and literatures (Sanskrit, Arabic and Persian) and in vernaculars, conducted more or less on Western lines, there are degrees in Oriental Learning given in some Universities with English titles, in others with Oriental titles, in some with both. Andhra, Annamalai, Madras and Nagpur give "Titles" and certificates of proficiency, and Annamalai offers a degree of M.O.L., by thesis, to candidates possessing certificates of proficiency. Benares has a Faculty of Oriental Learning which confers a first degree *Madhyama Pariksha* after a 3 yrs.' course, a second degree of *Shastri* after a further 3 yrs.' course, and the degree of *Shastracharya* by thesis, 3 yrs. after the second degree. Travancore gives a Title (*Sahityavisarada* and *Vidvan*) in Sanskrit.

Theology. Five different degrees in Hindu theology are awarded by the University of Benares, open only to Hindus after courses extending over a large number of years. Aligarh awards the degrees of Bachelor, Master and Doctor in (Islamic) Theology, and Osmania has a 6-yr. course leading up to the B.A. in (Islamic) Theology, and a 2-yr. course for the M.A., and gives the degree of Ph.D (Theology) to M.A.s (Theology) of 3 yrs.' standing

COST OF LIVING. The cost of living varies in different Universities. At Aligarh it is Rs. 35 to Rs. 45 p.m. ; at Benares, Rs. 60 to Rs. 100 p.m., including tuition fee ; at Annamalai, Rs. 30 p.m. ; at Bombay, Rs. 60 p.m. ; at Calcutta, Rs. 35 to Rs. 40 p.m. ; at Delhi, Rs. 54 to Rs. 60 p.m., excluding tuition fee ; at Osmania, Rs. 19 p.m. for boarding only, lodging free ; at Benares, students of Oriental Learning and Theology are also given free lodging and light. The average cost of living is about Rs. 50 p.m. inclusive of tuition fees.

[*Note.* 1 Rupee = 1s. 6d. approximately.]

STATUS OF THE NEW UNIVERSITIES. The Universities of Aligarh, Benares, Delhi and Patna have been incorporated by Acts of the Indian Legislature, and those of Annamalai, Andhra, Agra and Lucknow by Acts of provincial legislatures. Their degrees and examns. are recognized by the Government of India to be equal in value to those of the older Universities for the purpose of admission to public services.

Mysore, Osmania and Travancore were established by local legislation in Indian States, and are not within the jurisdiction of the Government of India. The degrees of Mysore have been recognized by the Universities of Bombay, Calcutta and Madras, and most of the new Universities, and by the Government of India. Osmania and Mysore degrees have been recognized by the Government of India as equivalent to those of the Universities established by law in India.

The Utkal University was established by an Act of the Orissa provincial legislature on the 30th June 1943, and came into existence on the 2nd August 1943. Prior to this, the Province was under the jurisdiction of two Universities, namely, Patna and Andhra. The University is an examining body.

Professor Karve's scheme for an Indian University for women with headquarters at Poona has organized there, and, through affiliated institutions, elsewhere, instruction through the Indian vernacular languages adapted to the special needs of women. It is on entirely independent lines.

NUMBER OF STUDENTS. In 1945 there were 227,995 students, including men and women, in 512 Arts and Professional Colleges.

RESIDENCE. Exact figures are not available, but almost all the Universities have large hostels and boarding-houses, including those for women students also at some Universities. On an average 25 per cent of the students are accommodated in the hostels attached to the Colleges and Universities

CONFERENCES. In April 1920 a Committee was formed for drafting an outline of the functions and constitution of an Association of Indian Universities. The project was further advanced at the Congress of Universities of the British Empire at Oxford in July 1921, and at a Conference of Indian Universities held at Simla in May 1924.

INTER-UNIVERSITY BOARD. This Board was formed in accordance with a resolution passed by the Simla Conference of May 1924. Chairman, 1947-48: Dr. J. C. Chatterjee, M.A., D.Litt. (Central), Vice-Chancellor of Agra University. Secretary: Prof. S. Mathai, B.A. Ox., M.A. Bom., 10-A, Cavalry Lines, Delhi.

PUBLICATIONS. *Handbook of Indian Universities* (1940, Rs. 2-8-0, or 4s., 1942, Rs. 4-8-0; 1946, Rs. 9-0-0); *Facilities for Oriental Studies and Research at Indian Universities* (Re. 0-8-0); *Facilities for Scientific Research at Indian Universities* (Re. 0-12-0), *Biological Outlook on Life and its Problems*, by J. Arthur Thomson, M.A., LL.D., Regius Professor of Natural History, University of Aberdeen (Re. 0-2-0); *First to Fifth Quinquennial Conference of Indian Universities*—Proceedings, each copy Re 1-0-0; *Training of Teachers in Indian Universities* (Re. 0-8-0); *Bibliography of Doctorate Theses in Science and Arts accepted by Indian Universities from January 1930 to 1939* (Re. 0-8-0 each), and *from 1940-1945* (Re. 1-0-0 each); *Bulletins of the Inter-University Board*, Vol. I to VI (Rs. 12-0-0 each set); *Proceedings of the Annual Meetings of the Inter-University Board, 1925 to 1939* (Re. 1-0-0 each) and *from 1940 to 1945* (Rs. 2-0-0 each); *Lists of Subjects in Arts and Science in which Research work is being done in different Universities and Research Institutions*; and *Annual Reports of the Inter-University Board from 1925 to 1939* (Re. 1-0-0), and *from 1940-1945* (Rs. 2-0-0).

The VICEROY'S GOLD MEDAL, instituted in 1926 by Lord Irwin, is open for competition, annually, to undergraduates of any University incorporated by law in India. It is awarded for the best essay on some practical problem of the day.

INDIAN STUDENTS AT UNIVERSITIES IN GREAT BRITAIN AND IRELAND. The Education Department of the Office of the High Commissioner for India, India House, Aldwych, London, W.C.2 (Secretary: M. S. Sundaram, M.A. Mad., B.Litt. Ox., Dip.Ed. Ox.; Senior Educational Officers: R. M. J. Knaster, O.B.E., B.A. Camb.; N. B. Ker, M.B.E.,

M.A. Ox., LL B. Dub.; Miss C. H. Bose, M.A. Camb.; Educational Officers: K. T. N. Menon, M.A. Ox.; S. G. Sathaye, B.A. Bom., Ph D. Lond.; M. L. Obroi, M.A. Panj., B.A. Ox.; Miss D. S. Van Reyk, B.A. Lond., B.T. Bom.; B. C. Nag; specially attached as Assistant Educational Advisers from the Dept. of Education, Government of India: P. N. Kirpal, M.A., LL B. Panj., M.A. Ox.; Mrs. R. Datta, M.A. Edin.), furnishes information and advice on educational and kindred matters to Indian students who come to this country to complete or supplement their education.

Indian students who propose to proceed abroad for further study are strongly advised to consult the University Bureau or Advisory Committee of their Province, where they can obtain full information about British and foreign Universities. The addresses of the Secretaries are as follows: Central Bureau—The Deputy Educational Adviser to the Government of India, Department of Education, Imperial Secretariat, New Delhi; Ajmere—Superintendent of Education, Delhi and Ajmere-Merwara, Students' Advisory Committee, Rajputana, Delhi; Allahabad—Director of Public Instruction, United Provinces, Allahabad; Bombay—Secretary, University Information Bureau, The University, Fort, Bombay; Calcutta—Secretary, Students' Advisory Bureau (Overseas), Senate House, Calcutta; Cochin—Secretary, Office of the Students' Advisory Bureau, Government of Cochin, Maharaja's College, Ernakulam (S.I.); Delhi—Secretary, Office of the Secretary, Students' Advisory Committee, Delhi Province, Delhi; East Punjab—Secretary, East Punjab University Foreign Information Bureau, Solan, East Punjab; Gauhati—Secretary, Indian Students' Advisory Committee, Gauhati, Assam; Guntur—Secretary, Andhra University Students' Advisory Bureau, Guntur; Jaipur—Secretary, Students' Advisory Bureau, Jaipur, Rajputana; Madras—Secretary, Students' Information Bureau, University, Madras; Mysore—Secretary, Students' Information Bureau, University, Mysore; Nagpur—Secretary, University Information Bureau, Nagpur; Patna, Bihar—Secretary, University Students' Information Bureau, Patna, Bihar; Utkal—Secretary, Utkal Students' Advisory Bureau, University Office, Cuttack, Orissa.

The High Commissioner for India is prepared at the request of parents and guardians in India to make arrangements for the supervision of the studies and personal welfare of a limited number of Indian students, and for the administration of funds remitted to him for the purpose. The Department publishes the *Handbook for Indian Students—a Guide to the Facilities for University and Professional Studies and Training in the United Kingdom*, the Eighth Edition of which was published late in 1938 and reprinted in 1946. An annual Report on the work of the Department is also published, copies of which may be obtained from the Office of the High Commissioner or through the agents for the sale of Government of India publications.

Note

The arrangement of Oriental names in the directory sections has been adopted for convenience of reference and for indexing purposes.

AGRA UNIVERSITY

Founded 1927

VISITOR—THE PROVINCIAL GOVERNMENT OF THE UNITED PROVINCES.

CHANCELLOR—THE GOVERNOR OF THE UNITED PROVINCES.

VICE-CHANCELLOR—NARAYAN PRASAD ASTHANA, M.A., LL.D.

REGISTRAR—L. P. MATHUR, D.Sc.

AFFILIATED COLLEGES

[M.A., etc, after name of College = teaching up to M.A., etc., standard.]

AGRA, *Agra College*. M.A.; M.Sc.; LL.M. Principal and Prof. of *Botany*—K. C. Mehta, M.Sc. Panj., Ph.D., Sc.D. Camb.

AGRA, *Balwant Rajput College*. M.A.; B.Sc.; B.Com.; M.Sc. (Agric.). Principal—R. K. Singh, M.A., LL.B. Alld., D.Ed. Harv.

AGRA, *Medical College*. M.B.; B.S. Principal—G. N. Vyas, M.B., B.S., M.D. Alld.

AGRA, *Radha Soami Educational Institute*. B.Com. Principal—B. P. Mathur, M.A. Alld., T.Dip. Lond.

AGRA, *St. John's College*. M.A.; M.Com.; M.Sc. Under the general control of the Church Missionary Society. Admits non-Christians, but is especially for Christians. Principal—The Rev. Canon T. D. Sully, M.A. Ox.

AGRA, *Women's Training College*. B.T. Principal—S. P. Sukhia, M.A., T.Dip. Lond.

AJMER, *Government College*. M.A.; M.Sc. Principal—S. S. Mathur, M.A. Delhi.

AJMER, *Mayo College*. B.A. Principal—M. A. McCanlis, M.A. Ox.

AJMER, *Teachers' Training College*. B.T. Principal—P. C. Lal, B.Sc. (Agric.) Mass. State Coll., M.A., Ph.D. Columbia, T.D. Leeds.

ALIGARH, *Barehsani College*. B.Com.; LL.B. Principal—K. I. Garg, M.A. Alld., Ph.D.

ALIGARH, *Dharam Samaj College*. B.A.; B.Sc. Principal—V. G. Jhingan, M.Sc. Luck.; B.Ed. Edin.

AZAMGARH, *Shibli National College*. B.A. Principal—B. A. Siddiqi, M.A. Alig.

BALLIA, *Satishchandra College*. B.A. Principal—N. Singh, B.A., D.Litt. Punj., M.A., Ph.D. Calc.

BAREILLY, *Bareilly College*. M.A.; M.Sc.; LL.B.; M.Com. Principal—D. P. Bhattacharya, M.A. Cal.

CHANDAUSI, *S.M. College*. B.A.; B.Com. Principal—K. Kumar, M.Sc. Alld.

DEHRADUN, *D.A.V. College*. B.A. Principal—Dr. Ram Narain Saxena, M.A., Ph.D. Luck.

GORAKHPUR, *St. Andrew's College*. M.A.; B.Sc. Principal—Dr. C. J. Chacko, M.A., Ph.D. Columbia, F.R.Hist.S. Lond.

GWALIOR, *Gajra Raja Medical College*. M.B.; B.S. Entirely supported by the State. Principal—Dr. Bhagwat Sahai, M.D. Luck.

GWALIOR, *Kamla Raja Girls' College*. B.A. Entirely supported by the State. Principal—Mrs. Gargi Devi Mathur, B.A. Ben., Ph.D. Lond.

GWALIOR, *Victoria College*. B.A.; B.Sc. Entirely supported by the State. Principal—A. R. Wadia, B.A. Bom., B.A. Camb., Dip. Econ. Pol. Ox

INDORE, *Christian College*. M.A. Principal—The Rev. A. A. Scott, M.A., B.Pæd. Tor., D.D.

INDORE, *Holkar College*. M.A.; M.Sc.; LL.B.; B.Com. Maintained by the State. (Offg.) Principal—N. P. Shastri, M.A. Madr.

KANPUR, *Christ Church College*. M.A.; M.Sc. Principal—The Rev. R. G. Slater, B.A. Camb.

KANPUR, *Dayanand Anglo-Vedic College*. M.A.; B.Sc.; LL.B.; M.Com. Principal—K. P. Bhatnagar, M.A., LL.B. Alld.

KANPUR, *Government Agricultural College*. M.Sc. (Agric.). Principal—B. L. Sethi, M.Sc., Ph.D. Wales.

KANPUR, *Sanatan Dharma College*. M.A.; M.Com.; LL.B. Principal—L. C. Tandon, M.A. Cal., M.Com. Bom.

KHURJA, *N.R.E.C. College*. B.A.; B.Com. Principal—P. D. Gupta, M.A. Alld.

LAKHAOTI, *K.E.M.U Jat College*. B.A.; B.Sc. (Agric.). Principal—D. Chand, M.Sc., Ph.D. Panj.

MEERUT, *Meerut College*. M.A.; M.Sc.; LL.B.; M.Com. Principal—B. R. Chatterji, M.A., D.Litt. Panj., Ph.D. Lond.

MUTTRA, *Kishori Raman College*. B.A.; B.Com. Principal—R. C. Bhargava, B.A., L.T. Alld.

REWA, *Darbar College*. B.A.; B.Sc.; LL.B. Principal—A. P. Mathur, D.Sc. Paris, D.I.C. Lond.

SHAHJAHANPUR, *Islamia College*. B.A.; B.Com. Principal—Mahmud-Ur-Rahman-Kidwai, M.Sc. Luck.

SHIKOHABAD, *Ahir Kohatriya College*. B.A.; B.Com. Principal—K. Prasad, M.A. Alld., Ph.D.

UJJAIN, *Madhava College*. B.A.; B.Sc. Principal—V. G. Dani, M.A. Camb.

GENERAL INFORMATION

Act VIII. of 1926 of the United Provinces Legislature, which received the assent of the Governor-General on Oct. 20, 1926, provides for the establishment of a University "for the purpose of affiliating the colleges associated with the University of Allahabad . . ." so as to set it free to function as a unitary, teaching and residential institution. It empowers the Agra University to affiliate colleges in the United Provinces, Rajputana, Central India and Gwalior, except within the limits of the Universities of Allahabad and Lucknow. To supplement the work in affiliated colleges the University may institute teaching posts at selected centres.

Five categories of persons are to be eligible, subject to prescribed conditions, for degrees and other academic distinctions : (a) candidates who pass the University's examinations after pursuing an approved course at an affiliated college; (b) teachers who pass the University's examinations; (c) inspecting

officers in the Department of Education who pass the University examinations ; (d) research workers ; (e) women who have carried on private study. Lectures and instruction may be provided by the University for, and diplomas may be granted to, persons other than students of an affiliated college.

The supreme governing body of the University is the Senate, the other principal authorities being the Executive Council, Academic Board, Board of Inspection, and Faculties of Arts, Science, Law, Commerce, Agriculture, Medicine and Veterinary Science. The Vice-Chancellor, an honorary officer elected by the Senate, is the principal executive and academic officer.

Students are not eligible for admission to a degree course unless they have passed the Intermediate Examination of the Board of High School and Intermediate Education of the United Provinces, or of an Indian University incorporated by law, or an equivalent examination.

The Act came into force on July 1, 1927, and all the constituent bodies of the Univ. have been formed. The Univ. held its first examns. in 1928.

DEGREES. B.A., M.A., Ph.D., D.Litt. ; B.Com., M.Com. ; LL.B., LL.M. ; B.Sc., M.Sc., Ph.D., D.Sc. ; B.Sc.(Ag.), M.Sc.(Ag.) ; M.B., B.S., B.V.Sc. and A.H. ; B.T.

COURSES. B.A., B.Sc., 2 yrs. Candidates must have passed (i.) the Intermed. Examn. of the Bd. of High School and Intermed. Edn., U.P., or of the Bd. of High School and Intermed. Edn. for Rajputana (including Ajmere-Merwara), Central India and Gwalior or of an incorporated Indian Univ. ; or (ii.) the Higher School Certif. Examn. conducted by the Syndicate of the Univ. of Cambridge ; and have attended a regular course of study in an affiliated college.

B.Com., 3 yrs. Candidates must have passed (i.) the Intermed. Examn. of the Bd. of H. Sch. and Intermed. Edn., U.P., or of an incorporated Indian Univ. or (ii.) the Commercial Diploma Examn. of Allahabad Univ. or of the Bd. of H. Sch. and Intermed. Edn., U.P. ; or (iii.) the Intermed. Examn. in Commerce of the Bd. of H. Sch. and Intermed. Edn., U.P. or Rajputana (incl. Ajmere-Merwara), Central India and Gwalior ; or (iv.) the Intermed. (Group B—special) Examn. of Delhi Univ. with Regional and Commercial Geogr. as optional subject ; or (v.) the Intermed. Examn. of the Audhra Univ. with Economics, Commercial Geography and Accountancy as optional subjects. Candidates who have passed (ii.), (iii.), (iv.) or (v.) will be exempted from the 1st yr. of the course.

LL.B. Graduates in Arts, Commerce, Science, Medicine, Engineering, Veterinary Science or Agric. who complete a regular course of study in a Law Class in an affiliated college for 1 yr. are eligible for admission to the Previous Examn., and after 1 further yr. to the Final Examn.

B.Sc.(Ag.). Candidates must have passed the Intermed. Examn. in Agric. of the Bd. of H. Sch. and Intermed. Edn., U.P., or any other examn. in Agric. recognized by the Univ. as equivalent thereto, and have attended a regular course of study in an affiliated college for 2 academical yrs.

B.Sc. in Pharmaceutical Chemistry. Statutes have been approved, but no college has yet been affiliated for it.

M.B., B.S. 5 yrs.' course.

B.V.Sc. and A.H. 4 yrs.' course in Veterinary Science and Animal Husbandry. Statutes are under contemplation.

Higher Degrees. M.A., M.Sc., M.Com. 2 yrs.' course in an affiliated college. Two examns. - Previous and Final.

M.Sc.(Ag.). 2 yrs.' course in an affiliated college. One examn.

LL.M. 1 yr.'s course in an affiliated college. One examn. ; 2 yrs. after LL.B.

Ph.D. Open to Masters after research work for two yrs and on submission of a thesis.

D.Litt., D.Sc. Awarded on basis of an original thesis upon any subject within the Fac. of Arts and Sci. respectively. Open to Ph.D.s or Masters of Arts and Masters of Science of at least 5 yrs.' standing.

SCHOLARSHIPS. 10 research scholarships of Rs. 50 each per mensem, tenable for 12 months in an affiliated coll. The following postgrad. scholarships of Rs 30 per mensem, tenable for 2 yrs., are awarded annually for precedence in First or Second Division on results of the respective degree examn. :—15 M.A., on result of B.A. examn.; 10 M.Sc., on result of B.Sc. examn.; 3 M.Com., on result of B.Com. examn.; 2 M.Sc.(Ag.), on result of B.Sc.(Ag.) examn. A large number of scholarships and medals awarded by the affiliated colls. to their own students.

PUBLICATION. *Calendar* (November).

THE YEAR 1946-47

STUDENTS. Full-time: 4292, including 3449 graduates.

DEGREES. B.A., 1416; M.A., 256; Ph.D., 6; B.Sc., 619; M.Sc., 68; D.Sc., 1; B.Sc.(Ag.), 187; M.Sc.(Ag.), 20; LL.B., 350; M.B., B.S., 53; B.Com., 442; M.Com. 83; B.T., 65.

ALIGARH MUSLIM UNIVERSITY

Founded 1920

Address—Aligarh, U.P.

LORD RECTOR—H.E. THE GOVERNOR-GENERAL OF INDIA.

CHANCELLOR—HIS EXALTED HIGHNESS LIEUT.-GENERAL ASIF JAH, MUZAFFURUL-MULK WAL MUMALIK, NIZAMAL MULK, NIZAM-UD-DAULA, SULTANAL ULOOM, NAWAB MIR SIR USMAN ALI KHAN BAHADUR, FATEH JUNG, R.V.C., G.C.S.I., G.B.E., Hyderabad (Deccan).

PRO-CHANCELLOR—HIS HIGHNESS ALIJAH FARZAUD-I-DILPIZIR-I-DAULAT-I-INGLISHIA, MUKHLIS-UD-DAULA, NASIRUL-MULK, AMIRUL UMARU, MAJOR NAWAB SIR SYED MOHD. RAZA ALI KHAN BAHADUR MUSTAID JANG, K.C.S.I., K.G.C.I.E., LL.D., Rampur.

VICE-CHANCELLOR—NAWAH MOHD. ISMAIL KHAN, B.A. Camb.

TREASURER—MOULVI HAJI MOHD. OBEDUR RAHMAN KHAN SAHIB SHERWANI

REGISTRAR—AZMAT ELAHI ZOUBAIRI, B.A., LL.B.

LIBRARIAN—S. BASHIRUDDIN, M.A.

TEACHING STAFF

Agriculture

Swalhay, S, B.Sc., Ph.D. Prof.*
3 Grade II. Lectrs., 2 Demrs.

Arabic

Memon, A. A. Prof.*
Ali, A. A., D.Phil. Ox., M.A., LL.B. Reader.
Badrudin, M. Lectr.
1 Grade II. Lectr.

Botany

Hyder, A. A., Ph.D. Ber., B.Sc. All. Reader.*
Khan, R. A., Ph.D. Camb., M.Sc. Ben. Reader.
Hasan, M. A., M.Sc. Alld. Lectr.
5 Grade II. Lectrs.

Chemistry

Haider, I.t.-Col. M., M.A. Camb., B.Sc. Lond., B.A. Alld. Prof.*

Farooq, O., Ph.D. Lond. and Alig., M.Sc. Reader.

Aziz, M. A., Dr.phil. Ber., M.Sc. Offg. Reader.

Bashir Ali, S., M.Sc. Lectr.
9 Grade II. Lectrs.

Commerce

Shafi, S. M., B.A., B.Sc. Lond. Reader.*
Faruqi, Q. H., M.A., B.Com. Luck. Lectr.

2 Grade II. Lectrs.

Economics

Uddin, S. M., M.A., LL.B. Actg. Reader.*
Thomas, P. C., M.A., Ph.D. Lectr.

Attaullah, S., M.A., Panj. Lectr.
1 Grade II. Lectr., 1 Grade II. Lady Lectr.

* Chairman of Dept.

Education

- Rahman, H., M.A. Alld. and
Birm., L.T. Alld. Prof.*
..... Reader.*
Husain, I., M.A., M.Ed. Leeds,
B.A. Lectr.
Khan, Q. H., B.A., Dip.Ed. Camb.,
T.D. Lond. Lectr.
Ghafur, A., M.A., M.Sc., B.T.,
Dip.Ed. Lond. Lectr.
4 Grade II. Lectrs., 1 Grade II.
Lady Lectr.

*Engineering, v. infra**English*

- Husain, K. M., B.A. Ox., M.A.
Prof.*
Sarwar, G., M.A. Panj. and
Leeds Reader.
Hasan, S. M., M.A.
Acting Reader.
Ali, M. H., M.A. Lectr.
8 Grade II. Lectrs., 1 Grade II.
Lady Lectr.

Geography

- Ali, S. M., Ph.D. Lond., M.A.,
B.T. Offg. Reader.*
Rizvi, S. M. Tahir, B.A., Ph.D.
Lond., M.A., LL.B.
Reader.
8 Grade II. Lectrs.

History and Polit. Science

- Haleem, A. B. A., B.A. Ox. (on
leave) Prof.
Habib, Mohd., B.A. Ox. Prof.*
Halim, A., M.A., Ph.D. Dac.
Reader.
Rashid, S. A., M.A., LL.B.
Reader.
Haq, S. M., M.A., Ph.D. Lectr.
4 Grade II. Lectrs.

Islamic Studies

- Reader.*
..... Lectr.

Law

[Reader.*]

- Khusro, M. I., M.A. Camb.
Ishaq, K. M., B.A., LL.B. Lectr.
Salam, A., M.A., LL.B. Lectr.
Rahman, H., B.A., LL.B. Lectr.
Ismail, M., B.A., LL.B. Lectr.

Mathematics
Shah, S. M., M.A. Lond.
Butt, M. A., M.A. Reader.*
Siddiqi, O. A., M.A. Lectr.
7 Grade II. Lectrs.

Medicine and Surgery (Unani)

- Butt, A., M.B., B.S. Panj., M.D.
Berlin Principal.*

Lecturers

- Latif, H. A.
Pasha, Q., M.B., B.S.
Shah, I., M.B., B.S. Panj.
Khan, H. Z.
Owais, S. Mohd., B.A., LL.B.
Farooqi, M. M. Aqil.
Ibrahim, Mohd., M.B., B.S. Panj.
Khan, H. Z. A.
Zafaruddin, M., M.Sc., Ph.D.
Nasar, H. A. K.
1 Demr.

Persian

[Prof.*]

- Hasan, S. H., B.A. Camb., B.Sc.
Bom., Ph.D. Lond.
Khan, H. Mohd. H., M.A. Alld.
Prof.
Ahmad, Zia-i, M.A. Alld. Lectr.
2 Grade II. Lectrs., 1 Grade II.
Lady Lectr.

Philosophy

- Sharif, M. M., B.A. Camb. Prof.*
Umaruddin, M., M.A. Reader.
3 Grade II. Lectrs.

Physics

- Chaudhri, R. M., Ph.D. Camb.,
M.Sc. Prof.*

* Chairman of Dept.

Ali, S. N., M.Sc., Ph.D. Reader.
 Hosain, F., M.Sc. Lectr.
 5 Grade II. Lectrs.

Theology

Latif, M. S. A. (Sunni) Reader.*
 Ali, M. S. W.
 (Sunni) Nazim & Lectr
 Shabbar, S. Modh. A.
 (Shia) Dean & Lectr.

Sanskrit

Shastri, Pandit R. S
 Grade II. Lectr.

Urdu

Siddiqi, R. A., M.A. Alld. Reader.*
 Siddiqi, A. L., M.A., Ph.D.
 5 Grade II. Lectrs.

Zoology

Mirza, B., B.Sc. Bom., D.Ph.
 Frankf. Prof.*
 Qadri, M. A. H., Ph.D. Camb. and
 Alg., M.Sc. Reader.
 Basir Khan, M. A., B.Sc., M.Sc.,
 Ph.D. Lectr.
 5 Grade II. Lectrs.

Medical Officer

Ahmad, Aziz, M.B., Ch.B. Edin.,
 D.O.M.S Lond. (on leave).

2 Assts.

Superintendent, Building Dept.
 Quddus, M. A.

Engineering and Technology

Civil Engineering

Arbuthnot, R. M. P., B.Sc. Prof.
 Reader.

* Chairman of Dept.

Ismaili, S. A., B.A. Panj, B.E.
 Bom. Lectr.
 Abidi, A. A., B.Sc. (Eng.) Lectr.
 Hanafi, A. R., M.Sc.

(Maths.) Lectr.

Khan, F. G., M.Sc.
 (Maths.) Lectr.
 1 Drawing Teacher, 1 Survey
 Teacher, 1 Demr., 1 Draughts-
 man.

Electrical Engineering

Matthewman, T. H., M.Eng. Liv.
 Dean of Fac., Chairman,
 Elect. E., Prof.

Durrani, U., B.Sc. Reader.
 Bhattacharjee, S. C., B.Sc. Calc.,
 B.Sc. (Eng.) Ben. Lectr.
 Kureishy, M. H., B.Sc. (Eng.) (on
 leave) Lectr.
 Huda, N., M.Sc. Dac. Lectr.
 Khan, W., B.Sc. (Eng.) Lectr.
 Lectr.

Siddiqi, Z. I., M.Sc.
 (Science) Lectr.

4 Demrs.

Mechanical Engineering

..... Prof.
 Dey, N. C., B.Sc. Lond., M.Sc.
 Calc. Reader.
 (Aeronautics) Reader.
 Ali, M. A., Dip.M. & E.E. Luck.
 Lectr.

Naqvi, S. A. R., B.Sc. (Eng.) Lectr.
 Baseer, A., B.Sc. (Eng.) Lectr.
 Khan, I. A., B.Sc. (Eng.) Lectr.
 Husain, S., B.Sc. (Eng.) Lectr.

GENERAL INFORMATION

The Mahomedan Anglo-Oriental College, founded in 1875, became, under the Aligarh Muslim University Act of 1920, a unitary residential University, with Univ. School and Intermediate College attached as separate institutions. The Intermediate Coll. was abolished in 1932, the Intermediate classes being absorbed in the Univ. proper. The Univ. receives Rs. 3,00,000 annually from the Govt. of India, Rs. 1,52,012 from the Local Govt., Rs. 60,000 from H.E.H. the Nizam of Hyderabad, and contributions from other Indian States. Although the governing body is composed of Mahomedans, and special

attention is paid to Muslim Theology, it is open to all, without distinction of sex, race, creed, or class. In the grounds, comprising several square miles, are halls and hostels sufficient for the accommodation of all the students and some of the staff. LIBRARY, 52,000 vols., besides a collection of 4000 MSS. on Oriental Lit. LABORATORIES: Physics, Chem., Botany, Zoology and Geography.

The MUSLIM UNIV. SCHOOL is a feeder to the University and a practising school for the TRAINING COLLEGE. The Univ. also maintains the Muslim University City High School run on less expensive lines, a Tibbiya College and an Institute of Technology to impart instruction in indigenous medicines of Muslim origin and in Technology respectively.

FACULTIES. Arts, Science, Engineering and Technology, Theology.

COURSES. For students who have passed the High School or Matricn. Examn. of an Indian Univ., 2-yr. Intern. course in Arts or Sci., 2 yr. Intern. course in Agric., 2 yr. Intern. course in Comm. For students who have passed the Intermediate examn. of an Indian Univ., 2-yr. course for the B.A. or B.Sc. ordinary, or B.Com. and 3 yrs. for B.A. or B.Sc. with hon. One yr. for Teaching Certificate. Courses leading to M.A., M.Sc., LL.B., B.T. (Bachelor of Teaching), B.Th. (Bachelor of Theol.), B.Sc. in Civil, Elect. and Mech. Engineering, Bachelor in Unani Tibb and Surgery and Ph.D. degrees are also provided.

Women students are admitted to M.A. classes in certain subjects in addition to B.A. and B.T. classes and arrangements have been made for their instruction under strict purdah.

FEES: for Tuition, Rs. 10 to Rs. 17 p.m.; Board and residence about Rs. 45 p.m.

SCHOLARSHIPS FOR GRADUATES, enabling them to proceed to higher degrees, are awarded. Three of Rs. 50 p.m. each for research in Arabic, one in an Arts and one in a Science subject, open to M.A.s. There is a loan fund for helping poor students.

PUBLICATIONS. *Calendar* (published irregularly); *Prospectus*; *University Journal*; *University Magazine* (English and Urdu) and *University Gazette*.

THE YEAR 1946-47

STUDENTS. Full-time: 5896, including about 775 graduates.

DEGREES. B.A. (Pass), 283; B.Sc. (Pass), 133; B.A. (Hons.), 8; B.Sc. (Hons.), 4; B.Com., 15; M.A., 194; M.Sc., 43; LL.B., 210; B.T., 66; Ph.D., 1; B.Sc. (Engineering), 78; Unani Tibb, 6.

UNIVERSITY OF ALLAHABAD

Founded 1887

CHANCELLOR—H.E. Mrs. SAROJNI NAIDU, D.Litt.

VICE-CHANCELLOR—TARA CHAND, M.A., D.Phil. Ox.

TREASURER—RAI AMAR NATH AGARWAL.

REGISTRAR—S. P. VARMA, M.A., Ph.D. Lond.

DEPUTY REGISTRAR—K. D. TEWARI, M.A., LL.B.

ASSISTANT REGISTRAR—I. D. CALEB, M.Sc., D.Phil.

PROCTOR—P. E. DUSTOOR, M.A., D.Litt.

LIBRARIAN—Md. NAIMUR RAHMAN, M.A.

TEACHING STAFF

Arabic and Persian

Ahmad, M. G. Z., M.A., Ph.D. Lond.
Offg. Prof.
Rahman, Md. N., M.A. Reader.

Botany

Ranjan, S., D.Sc. Prof.
Saksena, R. K., D.Sc. Reader.

Chemistry

Dhar, N. R., D.Sc. Prof.
Ghosh, S., D.Sc. Reader.
Taimni, I. K., M.Sc., Ph.D. Reader.

Chinese

Pachow, W., Ph.D. Lectr.

Commerce

Ghosh, M. K., M.A., B.Com. Lond. Prof.
Govil, K. L., M.A. Reader.
Chowdhury, R. C., M.Sc. Reader.

Economics

Rudra, S. K., M.A. Camb. Prof.
Thompson, C. D., M.A. Prof.
Karwal, G. D., M.A. Panj. Reader.
Mehta, J. K., M.A. Reader.

English

Deb, S. C., M.A. Prof.
Dustoor, P. E., M.A., D.Litt. Prof.

Mehrotra, K. K., M.A., B.Litt. Ox. Reader.
Misra, S. N., M.A. Reader.

French and German

Benoit, F. Pt.-time Teacher.

Hindi

Varma, D., M.A., D.Litt. Prof.

History

Tripathi, R. P., M.A., D.Sc. Prof.
Saksena, B. P., M.A., Ph.D. Reader.

Law

Bhattacharya, K. K., M.A., LL.M. Lond. Offg. Prof.
Sastry, K. R. R., M.A., M.L. Mad. Reader.
Pathak, K. K., M.A., LL.M. Reader.

Mathematics

Banerji, A. C., M.Sc. Calc., M.A. Camb., F.R.A.S., F.L.M.S. Lond. Prof.
Prasad, G., D.Sc. Edin. Reader.
Srivastava, P. L., M.A., D.Phil. Ox. Reader.
Prasad, B. N., Ph.D., D.Sc. Reader.

Philosophy

Mukerji, A. C., M.A. Prof.
Kaul, R. N., M.A. Reader.

Physics

Bhargava, S , M.Sc.	Prof.
Ghosh, R N , D Sc.	Reader
Deodhar, G B., D Sc.	Reader

Sanskrit

Acharya, P. K , M.A. Calc., Ph.D.,	
D Litt. Lond.	Prof.
Saksena, B. R., M.A., D.Litt.	Reader.

Political Science

Prasad, I , M.A , D.Litt.	Prof.
Ahmad, I , M.A.	Reader.

Urdu

Ali, S. M. Zamin, M A.	Prof.
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Zoology

Bhattacharya, D. R., M.Sc., Ph.D.,	
D.Sc.	Prof.

Russian

Kemp, Miss P. M., B.A. Lond.	
	Lectr.

Mehra, H. R., Ph.D. Camb.	
	Reader.

COLLEGES OF THE UNIVERSITY

CANON HOLLAND UNIVERSITY COLLEGE, Allahabad (American Presbyterian Mission). Principal—H. N. Sturt, M.A., Ph.D. Iowa.

KAYASTHA PATHSHALA UNIVERSITY COLLEGE, Allahabad. Principal—B. R. Saksena, M.A., D.Litt. 7 Tutors.

AGRICULTURAL INSTITUTE, Naini, Allahabad. Offg. Principal—W. B. Hayes, M.Sc.

GENERAL INFORMATION

Founded in 1887, the Univ. concerned itself mainly with examinations, having no teaching staff (except that of its School of Law) until 1914. Thereafter it established Chairs and Readerships, etc., for research work in Economics and Modern History for graduate students. In Jan. 1922 was passed an Act (which came into operation in July 1922) for the reorganization of the Univ. as a unitary, teaching, and residential institution, with control, however, over the quality and character of the teaching in "Associated" colleges. The Muir Central College became the nucleus of a teaching University, the jurisdiction of which was limited to a territorial area of ten miles' radius from the Convocation Hall of the Univ. Within this area there are two institutions which supplement instruction given in the Univ.; these are the Canon Holland College and the Kayastha Pathasala College. The Women's Dept., which undertakes full instruction for the degree course, has now been transferred from the Crosthwaite Girls' College to the Univ. area. From the commencement of the session July 1922, the Agricultural Institute, Naini (Allahabad), has been recognized as a Coll. for the B.Sc. degree in Agriculture.

LIBRARY, 119,101 vols. Darbhanga Reading Hall. A collection of coins is attached to the Library. There are also departmental libraries for the use of teachers. A LABORATORY is attached to each of the Depts. of Physics, Chem., Bot., Zool. MUSEUMS in connexion with Econ. and Com. Depts. ART COLLECTION: A beginning has been made with a project for an Art Gallery. Mr. D. N. Bonarjee of Gola Gokarnnath and others have presented valuable paintings.

FACULTIES. Arts, Science, Law, and Commerce.

DEGREES, ETC. B.A., B.A. Hons., M.A., D.Phil., D.Litt., M.Ed.; B.Sc., B.Sc. Hons., B.Sc. (Ag.), M.Sc., D.Phil., D.Sc.; LL.B., LL.M., LL.D.; D.Litt. (Econ.); B.Com., M.Com.; Dip. in Indian Music.

The *courses of study in the Univ. for the Bachelor's degree* cover 2 (B.A. and B.Sc. Hons.—3) yrs., following an examn. of "Intermediate" standard, equivalent to the Higher School Examn. of the Univ. of Cambridge. The intermediate examns. of other Univs. incorporated by law in British India and the Inter. examn. of the Mysore Univ., the Inter. examn. of the Board of High School and Interm. Educn., Rajputana (incl. Ajmere-Merwara, Central India, and Gwalior), are recognized for the same purpose. The Intermed. Examn. in Agriculture of Nagpur Univ. has been so recognized for admission to the B.Sc. Agric. Class of this Univ. and the Prelim. Examn. of the Mayo College, Ajmer, has been recognized as equivalent to the Intermed. Examn. of the U.P. Board. Graduates in Agriculture are eligible for admission to the Law Classes.

For admission to courses leading to higher degrees the B.A. and B.Sc. degrees of any Univ. in British territory recognized by the law of the place in which it is situated and of the Allahabad and Mysore Univs. are recognized.

WOMEN'S EDUCATION. Arrangements have been made for giving both formal and tutorial teaching to women students of the B.A. classes separate from men, in the Women's Dept. of the Univ. The number of lady lecturers sanctioned for the purpose is six. At present the Univ. has not made similar arrangements for postgraduate or science students. A special B.Sc. course for women has been started since 1945.

SCHOLARSHIPS FOR GRADUATES. The Univ. awards annually 9 Research Schols. of Rs. 50 each (1 yr.) in Arts and 5 in Science. The Univ. also awards annually 4 Schols. of Rs. 15 p.m. and 2 of Rs. 20 p.m. each (1 yr.) to women graduates; 2 D.Sc. and D.Litt. Schols. of Rs. 100 p.m. (2 yrs.); 6 M.A. and 6 M.Sc. Schols. of Rs. 30 p.m. each (2 yrs.) and 2 M.Com. Schols. of Rs. 30 p.m. each (2 yrs.).

PUBLICATIONS. *Calendar*, Rs. 10; *Univ. Examns. Prospectus*, Rs. 2; *Univ. Minutes*, Rs. 5; *University Magazine*, Rs. 2.8 p.a.; *University Studies*, Rs. 7.8; *Indian Journal of Economics*, Rs. 12 p.a.; *Annual Report*.

THE YEAR 1946-47

STUDENTS. Full-time: 3502.

DEGREES. B.A. (Pass), 582; M.A., 201; D.Phil., 13; B.Com. (Pt. II.), 79; M.Com., 29; LL.B., 181; B.Sc. (Pass), 150; M.Sc., 58; D.Sc., 2; B.Sc. (Ag.), 26; B.Sc. (Ag. Eng.), 16; M.Ed., 5.

ANDHRA UNIVERSITY

WALTAIR

Founded 1926

CHANCELLOR—H E. Lieutenant-General Sir ARCHIBALD EDWARD NYE,
G.C.I.E., K.C.B., K.B.E., M.C., Governor of Madras.

PRO-CHANCELLOR—THE MAHARAJAH OF JEYPORE, D.Litt.

VICE-CHANCELLOR—C. R. REDDY, M.A. Camb., D.Litt.

REGISTRAR—K. V. GOPALASWAMY, M.A. Ox.

UNIVERSITY ORATORS—Prof. V. S. KRISHNA, B.A. Ox., Ph.D. Vienna ;
V. SATYANARAYANA, M.A.

LIBRARIAN—A. RAMAKRISHNARAO, B.A., F.L.A.

PRINCIPAL OF THE UNIVERSITY COLLEGES—Prof. V. S. KRISHNA, B.A.
Ox., Ph.D. Vienna.

TEACHING STAFF

UNIVERSITY COLLEGE OF ARTS AND COMMERCE

Commerce

Jathar, G. B., B.A. Camb.

Hd. of Dept. and Prof.

Upadrashta, V. K., B.A., LL.B.

Lectr.

Datta, H. K., M.A. (Com.) Lectr.

Sarma, K. S., M.A. (Com.) Lectr.

Ramanadham, V. V., B.Com.

Lectr.

Seetharamayya, M., M.A. (Com.)

Actg. Lectr.

Hanumantharao, K. S., B.Com.

Tutor.

Ramamurti, M. U. B., B.Com.

Tutor.

Krishnamurti, M. (Hindi) Tutor.

Hanumatchastri, A.

(Hindi) Tutor.

Reddi, G. S. Sahitya Ratna

(Hindi) Pandit.

Economics and Sociology

Krishna, V. S., B.A. Ox., Ph.D.

Vienna

Hd. of Dept. and Prof.

Sitaramasastry, Ch., M.A., L.T.

Lectr.

Sarveswararao, B., M.A. Lectr.

Jagannadham, V., B.A., M.Litt.,

B.L. Lectr.

Venngopalarao, P. V., B.A.

Actg. Lectr.

Narasimham, N. V. A., B.A.

Research Asst. to Principal.

English

Srinivasa Iyengar, K. R., M.A.,

D. Litt.

Hd. of Dept. and Prof.

Thyagaraj, A. F., M.A. Lond.

Reader.

Muthuswamy, B., B.A. Lectr.

Viswanadham, K., M.A. Lectr.

Darja, K. H., M.A., B.L. Lectr.

Subbarao, G., M.A. Lectr.

Narasimhadas, G. V., M.A. Tutor.

French and German

Krishnamachari, S. T., B.A., B.L.

Reader.

History and Politics

- Venkatrao, G., M.A., LL.B.
Hd. of Dept. and Prof.
Srinivasan, N., M.A., B.Sc. Lond.
Reader.
Ramachandriah, O., M.A., Ph.D.
Lectr.

Mathematics

- Vijayaraghavan, T., B.Sc., D.Phil.
Ox. Hd. of Dept. and Prof.
Ramaswamy, V., B.A., Ph.D.
Camb. Reader.
Nagabhushanam, K., M.A.
Reader.
Minakshisundaram, S., M.A., D.Sc.
Reader.
Lakshmanamurty, M., M.A. Lectr.
Sambasivarao, K., M.A. Lectr.
Lingamurthy, G., B.A.
Actg. Lectr.

Oriya

- Shodangi, Madhusudana, Vidwan
Pandit.

Philosophy

- Sen, S., M.A., D.Litt., D.Phil.
Hd. of Dept. and Prof.
Raju, P. T., M.A., Ph.D. Sastri
Reader.
Ramakrishnayya, D., M.A., Ph.D.
Lectr.
Somasekharasastri, K. (Sanskrit)
Pandit.

Telugu

- Lakshmikantam, P., M.A.
Hd. of Dept. and Reader.
Somayaji, G. J., Vidwan P.O.L.,
M.A., L.T. Reader.
Narasimham, K. V. R., M.A.,
Ph.D. Lectr.
Sastri, D. V., Vidwan Pandit.

JEYPORE VIKRAMA DEO COLLEGE OF SCIENCE AND TECHNOLOGY

Chemistry

- Seshadri, T. R., M.A., Ph.D.
Manc., F.R.I.C.
Hd. of Dept. and Prof.
Gopal Rao, G., M.Sc., D.Sc. Prof.
Neelakantam, K., M.A., Ph.D.,
D.I.C. Reader.
Raghavarao, Bh. S. V., M.Sc.,
Ph.D. Lond. Lectr.
Ramachandrarao, L., M.Sc., D.Sc.
Lectr.
Ramachandra Rao, P., M.Sc. Lectr.
Venkateswarlu, V., M.Sc., D.Sc.
Lectr.
Sriramamurti, V., M.Sc.
Micro-Analyst and Demr.
Viswanadham, N., M.Sc. Demr.
Rajagopalan, S., M.Sc. Demr.
Narasimhachary, N., B.Sc. Demr.
Visweswararao, K., B.Sc.
Lectr. Asst.

Physics

- Raman, Sir C. V., M.A., Ph.D.,
D.Sc., LL.D., F.R.S.
Hon. Prof.

- Bhagavantam, S., M.Sc., D.Sc.
Prof.
Rao, K. R., M.A., D.Sc. Lond.
Prof.
Subbarao, N. S., M.A., Ph.D.
Reader.
Ramarao, B. S., M.Sc., D.Sc.
Lectr.
Venkateswarlu, K., M.Sc., D.Sc.
Lectr.
Narayanarao, D. A. A. S., M.Sc.
Lectr.
Bhimasenachar, J., M.Sc., D.Sc.
Lectr.
Visweswararao, M., B.Sc.
Lectr. Asst.
Ramachandrarao, B., M.Sc.
Demr.

Physics, Applied, including Instruments Manufacturing Section

- Krishnaswami Chetti, S. T., M.A.
Reader.
Krishnamurti, V., M.Sc.
Actg. Lectr.

Ramasastri, G , M.Sc.	Demr.	Sitapatirao, D., B.A., B.Sc. (Eng.)	Reader.
Yerrayya Pantulu, V., M.Sc.			
<i>Physics, Mathematical</i>	Demr.	Dasarao, C. J., B.Sc. (Ag.), M.Sc. (Tech.)	Reader.
Narasinya Rao, A., M.A., L.T., D Sc	Prof.	Narasinga Rao, M., M.Sc., D.Sc.	Reader.
Venkatarayuda, T., M.A., Ph D.	Reader.	Subbarao, N. V., M.Sc.	Lectr.
Rao, P. S., M.Sc.	Lectr.	Venkateswarlu, A., M.Sc.	Lectr.
Krishnamurti, T S. G.	Demr.	Gopalakrishna Murty, D., M.B., B.S.	Lectr.
<i>Technology</i>		Rao, V. S., M.Sc.	Lectr.
Venket Rao, G , M.Sc., D.I C.		Subramanian, S. S., M.Sc.	Lectr.
	Reader.		
Rangaswamy, S., M.A , Ph D.	Reader.	Physical Education	
		Sudarsana Rao, K., B.A., Dip.	Director.
		Phys. Educ	

ERSKINE COLLEGE OF NATURAL SCIENCES

<i>Botany</i>		Rajagopalan, C., M.Sc.	Lectr.
Venkateswarlu, J., D.Sc.	Reader.	Doraiswamy, M. S., M.Sc.	Demr.
Seshagiri, P. V. V., M.Sc.	Lectr.	Sastry, G. G., B.Sc.	Demr.
Sundarasivarao, B., M.Sc.	Lectr.	Rao, G. V., B.Sc.	Demr.
Sree Ramulu, T., M.Sc.	Demr.	Krishnamurty, N. G , M.Sc.	Demr.
Rao, K. V. S., B.Sc.	Demr.		
Murti, Y. S., M.Sc.	Demr.	<i>Zoology</i>	
<i>Geology</i>		Aiyer, R. G., M.A., L.T., M.Sc.	Prof.
Mahadevan, C., M.A , D.Sc.	Prof.	Mukherjee, R. N., M.Sc., D.I.C., Ph.D. Dub.	Reader.
Karunakaran, C., B.Sc., M.Sc. Ben.	Lectr.	Rao, T. S. S., B.Sc.	Demr.

UNIVERSITY COLLEGE OF LAW

Raman, S. V., B.A., M.L.	Prof.	Krishnamurti, K., B.A., M.L.	Lectr.
Balasubrahmanyam, V., B.Sc., M.L.	Lectr.	Satyanarayanamurty, B., B.A., B.L.	Lectr.

CONSTITUENT HONOURS COLLEGES

WALTAIR, *Erskine College of Natural Sciences*. Provides instruction in B.Sc. (Hons.) in Geology, Botany and Zoology, B.Sc. (Pass) in Geology, and B.Sc. (Pass) in Botany and Zoology.

WALTAIR, *Jeyapore Vikrama Deo College of Science and Technology*. Provides B.Sc. Hons., Post-Hons. and Research courses in Physics, Chemistry and Technology and Post-Hons. courses in the Chemistry (including Microscopy) of Foods, Drugs and Water and in Applied Physics.

WALTAIR, *University College of Arts and Commerce*. Provides Pass, Hons. and Research courses in Mathematics, Philosophy, Hist., Econ., Politics, Telugu, and Commerce.

MASULIPATAM, *University College of Law*. Provides instruction in Preliminary Law, F.I.L. and B.L. courses of study.

PROFESSIONAL COLLEGES

BAPATLA, *Agricultural College*. Principal—C. R. Srinivasa Siyyangar, L.Ag.

COCANADA, *Engineering College*. Principal—V. H. Sadarangani, B.E., B.Sc. Edin.

GUNTUR, *Medical College*. Principal—.....

GUNTUR, *St. Joseph's Training College for Women*. Principal—Sister Mary Stanislas, B.A., L.T.

RAJAHMUNDRY, *Government Training College*. Principal—K. Satyanarayana, M.A., L.T. 10 other teachers.

VIZAGAPATAM, *Andhra Medical College*. Principal—T. Bhaskaramena, M.D., D.Sc., F.R.C.P. 53 other lecturers.

AFFILIATED COLLEGES, FIRST GRADE

COCANADA, *Puthapur Rajah's College*. Principal—A. R. P. Ayyar, M.A. 61 other teachers.

GUNTUR, *Andhra Christian College*. Principal—Rev. H. H. Sipes, M.A., Ph.D. 56 other teachers.

MASULIPATAM, *Hindu College*. Principal—K. S. Krishna Rao, M.A., L.T. 57 other teachers.

NELLORE, *Venkatagiri Raja's College*. Principal—K. Satchidanandam Pillai, M.A., L.T. 27 other teachers.

RAJAHMUNDRY, *Government Arts College*. Principal—K. P. Govinda Menon, B.A. Ox. 27 other teachers.

VIZAGAPATAM, *Mrs. A. V. N. College*. Principal—S. P. Naidu, M.A., L.T. 23 other teachers.

VIZIANAGARAM, *Maharajah's College*. Principal—Rao Sahib K. R. Subrahmanyam, M.A., Ph.D. 35 other teachers.

AFFILIATED COLLEGES, SECOND GRADE

BEZWADA, *S.R.R. & C.V.R. College*. Principal—P. Srinivasachari, M.A., Ph.D. Lond. 13 other teachers.

BHIMAVARAM, *West Godavary Bhimavaram College*. Principal—P. Ramaswamy, M.A.

ELLORE, *Sir C. Ramalinga Reddy College*. Principal—D. S. Subrahmanyam, M.A., B.Ed.

GUNTUR, *Government College for Women*. Principal—Miss P. Sithammal, B.A. Ox., L.T. 6 other teachers.

GUNTUR, *Hindu College*. Principal—V. Subba Rao, M.A. 36 other teachers.

ORIENTAL COLLEGES

GUNTUR, *Saradaniketanam*. Principal-in-charge—D. Rama Rao.

KOVVUR, *S.V.J.V. Sanskrit College*. Principal—J. Purushottam, M.A.

MASULIPATAM, *Narasimha Sanskrit College, Chittigudur*. Principal—S. T. G. Varadachari.

NELLORE, *Sanskrit College*. Principal—G. Hanumantha Sastry, Vidya Bhushana Vidyapravena.

RAJAHMUNDY, *Andhra Women's Sanskrit College*. Principal—B. Kamakshamma.

TENALI, *Kota Lakshmiah Naidu Sanskrit College*. Principal—K. Subbaramiah, Ubhayabhasha Praveena.

VIZIANAGARAM, *Maharaja's Sanskrit College*. Principal—T. Norasimhachari, M.A.

GENERAL INFORMATION

The Act of the Madras Legislative Council constituting the Andhra Univ. "in and for the Telugu districts of the Presidency of Madras" received the assent of the Governor-General on Jan. 13, 1926, and came into force on April 26, 1926. By a later Act, the area has been narrowed down by the exclusion of certain districts, leaving the following within the affiliating jurisdiction of the Univ.: Vizagapatam, East Godavari, West Godavari, Kistna, Guntur and Nellore. The Act establishes five categories of colleges: "University Colleges," providing for pass and hons. or postgraduate courses for higher degrees; "First Grade Colleges," providing courses for the ordinary degrees in Arts or Science; "Second Grade Colleges," preparing for the Inter. Examn.; "Professional Colleges," providing courses for teaching and medical degrees, and "Special Grade Colleges," providing courses for Oriental titles.

Among the powers of the University specified in the Act are: to promote the development of the study of Telugu, Kanarese, Urdu and Oriya, and their use as media of instruction and examination; to institute professorships and other teaching posts; to maintain colleges and hostels; to erect, equip, and maintain laboratories and libraries; to institute and provide funds for the maintenance of a publication bureau, an employment bureau, students' unions, and University Extension boards. Every student of the University must reside in a hostel or under prescribed conditions.

The supreme governing body is the Senate, by which the Vice-Chancellor, a whole-time salaried officer and principal executive, is elected (for 3 years). The other principal authorities of the University are: an executive body called the Syndicate (comprising 16 members, including the Vice-Chancellor, Financial Secretary to the Local Government, and Director of Public Instruction, Madras); the Academic Council; the Faculties and the Boards of Studies.

LIBRARY. 43,251 volumes.

FACULTIES. Arts, Science, Teaching, Medicine, Commerce, Agriculture, Law, Oriental Learning.

ADMISSION to Univ. courses is by Matriculation examn. and Secondary School leaving certificate examn. (the latter conducted by the Madras Government), or any other examn. recognized as equivalent thereto.

DEGREES. B.A., B.A. Hons.; M.A., M.A. Hons.; B.Sc., B.Sc. Hons.; M.Sc., M.Sc. Hons.; B.Com., B.Com. Hons.; B.L., B.Ed., M.Ed.; Ph.D.; D.Litt.; D.Sc.; M.B., B.S., L.M.S., M.D., M.S.; M.O.L.; K.P. (Hon. Doctorate in Oriental Learning).

DIPLOMAS. Titles: Vidya Praveena, Ubhayabhasha Praveena and Bhasha Praveena (each 4 yrs.' course). Certificates of Proficiency in Oriental Learning. Diplomas in French, German.

The EXAMINATIONS of all Statutory Indian Univs. are recognized as equivalent to the corresponding examns. of the Univ.

PUBLICATIONS. *University Code* (Act, Statutes, Ordinances, Rules, Regns., and Syllabuses); *Annual Register* (Univ. Authorities, Staff, Text-books, Endowments, Graduates, Affiliated and Recognized Colls.); *Annual Report*; *Minutes*.

THE YEAR 1946-47

BENEFACTIONS. Rs. 4,38,752.15.0, bringing the total amount received by the Univ. up to the end of 1946-47 to Rs. 24,67,067.9.0.

NEW BUILDINGS. New Schemes under construction—First floor on Stratham Laboratory, guest rooms for Faculty Club and Hope Chancellory.

LANDS. The acquisition of the building and site known as "Palms," measuring about 2 acres, of the Pitthapuram House with site measuring 30 acres, and of Kirlampudi House with site measuring 19 acres is proposed.

CHANGES IN STATUTES, ORDINANCES AND REGULATIONS. The following changes were adopted. *Statutes*: (1) Empowering the Syndicate to sanction grants-in-aid to Univ. teachers invited by foreign institutions to do advanced academic work. (2) Creation of a separate Bd. of Studies in Agric. (3) Constitution of the Bd. of Studies in Engineering. (4) Increase of the fee for taking degrees *in absentia*. (5) Empowering the Vice-Chancellor to depute Registrar or any other person to attend to election work. *Ordinances*: (1) Increase of the Registration fee for doing research; (2) Constitution of the Board of Paper Setters in Engineering. (3) Increase of fee for registration of applications for admission to Univ. Colleges. (4) Revision of Examination Fees and other Fees. *Regulations*: (1) Grant of exemption from the production of attendance certificates in respect of Matriculation, Intermediate and B.A. Degree Examination in non-science subjects to those who have put in at least 3 years Government or other Public Service. (2) Exemption to War service candidates. (3) Revision of the Matric. Examn. Scheme. (4) Division of the Intermediate examn. in Arts and Science into I.A. and I.Sc. (5) Permission to the managements of Affiliated Colls. to provide instruction for the B.Com. Pass Degree Courses of Study.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. (1) Prof. Merle Curti, Prof. of the Univ. of Wisconsin, U.S.A., delivered lectures on "The Problem of Minorities" and "The Impact of Science and Technology on American Civilization." (2) Prof. E. A. Burth, of Cornell Univ., delivered lectures on "Democracy" and "Science and Philosophy in Post-War Society." (3) Prof. Levi, of Calcutta Univ., spoke on "Mathematics." (4) Dr. S.S. Pillai, of Calcutta Univ., spoke on "Theory of Numbers." (5) Prof. Birbal Sahni, of Lucknow Univ., delivered endowment lectures on "The Study of Microfossils," with a demonstration on Palaeo-Botanical Technique.

RESIGNATIONS. Dr. C. J. George; Dr. K. T. Jacob.

STUDENTS. Full-time: 814.

DEGREES. B.A., 424; B.A. (Hons.), 38; M.A., 25; M.A. (Hons.), 1; B.Com., 82; B.Com. (Hons.), 7; B.Ed., 79; B.Sc., 191; B.Sc. (Hons.), 34; M.Sc., 17; M.Sc. (Hons.), 1; M.Sc. (by Research), 17; M.B., B.S., 37; M.S., 2; D.Sc., 6; Ph.D., 1.

ORIENTAL TITLES. Vidya Praveena, 9; Ubhayabhasha Praveena, 1; Bhasha Praveena, 34.

ANNAMALAI UNIVERSITY

Founded 1928

Address—Annamalainagar, Madras Presidency, South India.

VISITOR—H.E. THE GOVERNOR-GENERAL OF INDIA.

CHANCELLOR—H.E. THE GOVERNOR OF MADRAS.

PRO-CHANCELLOR AND FOUNDER—RAJAH SIR S. R. M. ANNAMALAI
CHETTIAR OF CHETTINAD, LL.D. Madr., D.Litt.

VICE-CHANCELLOR—M. RUTHNASWAMI, C.I.E., M.A. Camb.

ACTING REGISTRAR—G. D. NANDAGOPAL, M.A.

LIBRARIAN—K. NAGARAJA RAO, M.A., B.L.

TEACHING STAFF

Botany

Rangaswami Ayyangar, K., M.Sc.

Lectr.

Somasundaram, T. R., B.Sc.

Asst. Lectr.

Srinivasan, C., B.Sc. Asst. Lectr.

Venugopalan, S., B.Sc. Asst. Lectr.

Chemistry

Joshi, M. L., M.Sc. (Tech.) Prof.

Lecturers

Saktivelu, T., B.Sc.

Krishnamurti, S., M.A., M.Sc.

Ramamjam, V. V.

Shamungarnathan, S. P.

Asst. Lecturers

Ramaswami, Pl., B.Sc.

Tiruvenkatachari, V., B.Sc.

Varadachar, R., B.Sc.

Rangarajan, P. R., B.Sc.

Thyagarajan, R., B.Sc.

Dravidian Languages

Venkatachalam, S., B.O.L.

Asst. Lectr.

Kochukrishna Kurup, K., Vidvan

Asst. Lectr.

Economics

Chandrasekar, S., M.A., Ph.D.

Prof.

Ramakrishna Ayyar, V. G., M.A.

Madr.

Reader.

Munisvami, M. K., M.A., B.L.

Madr.

Lectr.

Ramaswami, A., M.A., M.Litt.

Asst. Lectr.

Subbiah, A., B.A. Asst. Lectr.

Engineering, v. infra

English

Duraiswami, M.S., M.A.

Prof.

Subrahmanyam, A. C., M.A. Madr.,

L.T.

Reader.

Lecturers

Myleru, C. R., M.A.

Sundaram, N. K., B.A. Ox.

Sethuraman, V. S., M.A.

Asst. Lecturers

Seetharaman, M. V.

Subramaniam, S.

Krishnan, S.

Tutors

Venkataramier, K. S., B.A., L.T.

Bhagiruttin Aannal, Mrs. A.,

M.A.

Thangayyam, Mrs. C., B.A.

French

Clovis, A., Bacc., B.L. Algiers.

History and Politics

- Satyanatha Ayyar, R., M.A. Madr.
 Prof.
 Krishnaswami, A., M.A., L.T. Lectr.
 Thangayyam, C., M.A. Lectr.
 Srivirayanraja, P. K., B.A. Asst. Lectr.
 Balasubrahmanyam, D., B.A. Asst. Lectr.

Mathematics

- Krishnaswami Ayyangar, G. V., M.A. Prof.
 Ganapati Ayyar, V., M.A., D.Sc. Madr. Reader.

Lecturers

- Rangaswami Ayyar, K., M.A. Madr., M.Sc., Ph.D.

Asst. Lecturers

- Govindarajan, T.
 Venkataraman, M.
 Krishnamurti, V. S.
 Guruswamy, T. K., M.A.
 Krishnamurthy, V., M.A.
 Thirivikraman, A., M.A.

Music

- Subramania Pillai, C. Prof.
 Sivavadivel Pillai, K. S. Lectr.
 Gomati Sankarier, V. S. Lectr.

Asst. Lecturers

- Nilamegam Pillai, R.
 Swami Aiyar, V.
 Subrahmanya Mudaliar, M.
 Vajravel Mudaliar, M. P.
 Sivasubrahmanya Pillai, T. N.
 Sivanandam Pillai, K. P.
 Radhalakshmi, Miss M.
 Vaitmalingam Pillai, P.

Philosophy

- [Prof. Ramanujachariar, R., M.A. Madr.
 Jesudass, D. I., B.A. Asst. Lectr.]

Physics

- Navanitakrishnan, T. P., M.A. Prof.
 Narayanaswami Ayyar, S., M.A. Madr., L.T. Sr. Lectr.

- Visvanathan, R. K., M.A. Madr. Sr. Lectr.
 Sriraman, S., M.A., M.Sc. Lectr.
 Sundaram, S., B.Sc. Asst. Lectr.
 Visvesvaran, K., B.Sc. Asst. Lectr.

- Vijayaraghavan, K., M.A., M.Sc. Asst. Lectr.
 Tirugnanasambandam, R., B.Sc. Demr.
 Venugopalan, T. K., B.Sc. Demr.
 Subrahmanya Reddi, R., B.Sc. Demr.

Sanskrit

- Venkateswaran, C. S., M.A., Ph.D., Siromani Lectr.

Asst. Lecturers

- [Siromani, Venkatarama Sastriar, T., Sivaramakrishna Sastriar, K. A., Siromani.
 Panchapagesa Sastriar, P., M.O.L., Siromani.
 Subrahmanya Sastriar, V., Siromani.
 Srinivasachariar, K., Siromani.
 Guruswami Sastriar, R., Siromani.
 Seshadri Acharya, V. K., Siromani.]

- Natarajan, M., M.A.

Tamil

- Chidambaranatha Chettiyar, A., M.A., Ph.D. Prof.

Lecturers

- Ramanathan Chettiyar, I. P. Kr., Vidvan, Pandita.
 Bhuvaram Pillai, A., Vidvan.

Asst. Lecturers

- Manikkam, V. Sp., Vidvan.
 Arunachalam Pillai, M., Vidvan.
 Shanmugam, N., B.A.
 Ramaswami, A., M.A., L.T.
 Amirtalingam Pillai, R. P., Vidvan.
 Chintamani, K. N., Vidvan.
 Somasundaram Pillai, V. M., Vidvan.

Muthuswami Pillai, M., Vidvan

Research Department

Subranmanya Pillai, G., M.A., B.L.

Varadaraja Aiyar, E. S., B.A.
Madr.

Sadasiva Pandarathar, T. V.

Duraiswami Pillai, A. S.

Vellaivaranan, K., Vidvan.

Zoology

Seshaiya, R. V., M.A., L.T. Madr.

Prof.

Galasubrahmanyam, T. S., M.Sc.

Asst. Lectr.

Rajakrishna Menon, P. N., B.Sc.

Asst. Lectr.

Chakrapani, K., B.Sc. Demr.

Engineering and Technology*Civil E.*

Chakko, K. C., B.A., D.Sc. Lond.

Prof.

Sitarama Iyer, K. S., B.A., B.E.

Prof.

Lecturers

Kannam, M., B.E.

Narasimhamurthy, P. M., B.E.

Alexander, G., B.A., B.E.

Abraham, K. C., B.E.

Arumugaperumal Pillai

Asst. Lectr.

Mechanical E.

Subramanda Iyer, C. A., B.E. Prof.

Rajaram, C., B.A., B.E. Lectr.

Krishnaswami Rao, S., B.Sc.

Lectr.

Venkataraman, P. Asst. Lectr.

Mudaliar, K. Asst. Lectr.

Sarangapani, G. Asst. Lectr.

Electrical E.

Saha, N. C., B.Sc. Glas., M.Sc.,

Ph.D. Manc. Prof.

Rama Rao, M. V., B.Sc. Lectr.

Technology

Joshi, M. L., M.Sc. (Tech.) Prof.

Lakshmanan, Sm., M.Sc. (Tech.)

Lectr.

Johns, J. K., B.Sc. Asst. Lectr.

Adivarahan, P., B.Sc. (Tech.)

Asst. Lectr.

Sugirthanathan, K. M. A.

Drawing Instr.

Physical Education

Govindarajulu, L. K., B.A., B.L.

Madr. Director.

Aiyaru, C. Asst.

Rajamanikkan, C. Asst.

GENERAL INFORMATION

As the result of an offer by Rajah Sir S. R. M. Annamalai Chettiar of Chettinad to transfer to a residential teaching University, if one were founded, the Sri Minakshi College for higher instruction in English, the Sri Minakshi Tamil College and the Sri Minakshi Sanskrit College which he had established and maintained, together with an endowment of 20 lakhs of rupees, the Government of Madras passed an Act in 1928 accepting the offer and providing for the establishment of the Annamalai University. Government also provided 27 lakhs of rupees towards the endowment fund, a recurring grant of one and a half lakhs a year, and, subject to conditions agreed between Government and the University, a sum of seven and a half lakhs for building and equipment.

The authorities of the University under the Act are : (1) the Senate, (2) the Academic Council, (3) the Faculties, (4) the Boards of Studies, (5) the Syndicate, (6) the Finance Committee (for a period of 10 years from May 15, 1929), and (7) the Board of Selection. The Chancellor, the Pro-Chancellor, the Vice-Chancellor, the Senate, the Academic Council and the Syndicate constitute the body corporate of the University. The Vice-Chancellor is the principal executive officer, who holds office for 3 yrs. and is appointed by the Chancellor on the nomination of the Founder.

Under the Act residence in a hostel or lodgings maintained by the Univ. is compulsory for all students. The warden of the hostel regulates attendance and exercises disciplinary control and supervision over the students. An important feature of the working of the hostel is the close association of students in the management of the affairs of each section.

Physical Training is compulsory for all students, and weekly lectures on Physiology, Health and Hygiene are delivered for their benefit.

FACULTIES AND DEANS Arts, Prof. R. Satyanatha Ayyar; Science, Prof. G. V. Krishnaswami Ayyangar; Oriental Studies, Prof. A. Chidambaranatha Chettiyar, M.A., Ph.D. (Tamil); Engineering and Technology, Prof. K. C. Chakko, D.Sc. Lond.

ADMISSION. Holders of completed School Leaving Certificates under the S.S.L.C. scheme adopted by the Govts. of Madras and the Madras States declared eligible by the Syndicate are admitted to a course of study in the Univ.

DEGREES. B.A., B.A. (Hons.); B.Sc., B.Sc. (Hons.); M.A., B.O.L., M.O.L. (Oriental Learning); B.E. and B.Sc. (Tech.); M.Litt. and M.Sc., Ph.D., D.Litt. and D.Sc. (research degrees).

DIPLOMAS. Titles in Oriental Learning (Vidvan, Pulavar and Sironiani) and Music (Sangita Bushana)—4 yrs.' course in each case.

RECOGNITION OF EXAMNS. of other Univs. Examns. of all statutory Indian Univs. are recognized for purposes of admission.

FEES. Tuition, per term: B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), Rs. 60; Science students, Rs. 4-6 addnl., plus deposit fee, Rs. 5. Admission, Re. 1; Games (Phys. Training), Rs. 2.

BOARDS OF STUDIES English, Philos., Hist., Econ., Maths., Physics, Chem., Bot., Zool., Tamil, Indian Music, Sanskrit and Dravidian languages other than Tamil, and Engineering and Technology.

LIBRARY. 73,089 volumes.

LABORATORIES. Physics, Chemistry, Botany, Zoology, Engineering and Technology, with workshops and arrangements for practical work for all students.

TUTORIAL INSTRUCTION and disciplinary supervision for all students are provided by assigning about 15 students to each member of the staff.

RESIDENCE. Students are required to live in hostels attached to the University or in approved lodgings recognized by the University. Separate Hostel with a Lady Warden for Women Students.

RESEARCH. Studentships tenable 2 yrs., value Rs. 30 per mensem. Fellowship tenable in India and abroad, value Rs. 125 to Rs. 150 per mensem.

PUBLICATIONS. *Calendar* (once in three years), Re. 1; *Annual Report* (April); *University Journal* (October, Jan. and April); *Students' Handbook* (July), Re. 1.

THE YEAR 1946-47

BENEFACTIONS. The Prize and other Endowments Fund amounts to Rs. 2,37,000.

STUDENTS. Full-time: 1817, including 65 graduates.

DEGREES CONFERRED. B.A., 14; B.A. (Hons.), 42; M.A., 23; B.Sc., 58; B.Sc. (Hons.), 25; Ph.D., 5; M.Litt., 3; M.Sc., 1; B.O.L., 1.

BENARES HINDU UNIVERSITY

Founded 1916

Address—Benares, U.P.

Telegrams—"University, Benares."

LORD RECTOR—H.E. THE GOVERNOR-GENERAL OF INDIA.

VISITOR—H.E. THE GOVERNOR OF THE UNITED PROVINCES.

CHANCELLOR—H.H. THE MAHARAJA OF JAMMU AND KASHMIR.

PRO-CHANCELLORS—H. H. THE MAHARAJADHIRAJ SIR GEORGE JAYAJI RAO SCINDHIA, G.C.I.E., of Gwalior, and THE HON. MAHARAJADHIRAJA SIR KAMESHWAR SINGH BAHADUR, K.C.I.E., LL.D., D.Litt.

VICE-CHANCELLOR—AMARA NATHA JHA, M.A., D.Litt.

PRO-VICE-CHANCELLOR AND SECRETARY TO THE COURT AND THE COUNCIL—PANDIT GOVIND MALAVIYA, M.A., LL.B.

TREASURER—BABU JYOTIBHUSHAN GUPTA.

REGISTRAR—PANDIT G. P. MEHTA, M.A.

CONSTITUENT COLLEGES OF THE UNIVERSITY

CENTRAL HINDU COLLEGE. Principal—U. C. Nag, M.A. Calc., Ph.D. Lond.

COLLEGE OF SCIENCE. Principal (Offg.)—S. S. Joshi, D.Sc. Lond.

SANSKRIT MAHAVIDYALAYA. Principal—Pandit K. P. Misra.

TEACHERS' TRAINING COLLEGE. Principal—H. B. Malkani, M.A. Bom.

COLLEGE OF TECHNOLOGY. Principal—N. N. Godbole, B.Sc., M.A., D.Phil. Berlin.

ENGINEERING COLLEGE. Principal—M. Sengupta, B.Sc. Calc., B.Sc. (Glass), F.I.P. Ind.

COLLEGE OF MINING AND METALLURGY. Principal—D. Swarup, B.Sc., Ph.D. Sheff.

COLLEGE OF AGRICULTURE. Principal—B. Vishwa Nath, D.Sc.

LAW COLLEGE. Principal—G. B. Joshi, M.A., LL.M.

WOMEN'S COLLEGE. Principal—Mrs. K. G. Venkateshwaram, M.A.

AYURVEDIC COLLEGE. Principal—B. A. Pathak, M.B., B.S.

GENERAL INFORMATION

The University was founded in 1916. For early history, see *Yearbook* for 1930.

The Univ.'s assets at March 31, 1947, incl. perpetual annual grants by Ruling Chiefs of Rs. 4,48,000, are valued at Rs. 2,61,13,862.

Every member of the *Court*, the supreme governing body, must be a Hindu. It includes representatives of benefactors, graduates, the Senate, the Jain and Sikh communities, Hindu religion and Sanskrit learning, the learned professions. Of the *Senate*, the academic body, at least three-fourths must

be Hindus; it includes (1) the Chancellor, Pro-Chancellor, Vice-Chancellor, Pro-Vice-Chancellor, Univ. Profs., and Principals or Heads of Colleges as *ex-officio* members; (2) 5 members nominated by the Visitor; (3) elected members, including representatives of the Court, of Hindu religion and Sanskrit learning, and graduates. The *Council* and *Syndicate* are the executive bodies of the Court and Senate respectively.

LIBRARY, 157,208 vols. **LABORATORIES**: Chem., Physics, Zool., Bot., Agriculture, Geol., Ceramics, Class Technol., Pharmaceutics, Mining and Metallurgy. The Engineering College laboratories include a shop equipped for manufacturing machines, smith and paint shops, an iron and brass foundry and a motor-car repair shop; a power-house is also attached to the College.

ADMISSION. The Univ. is, subject to regns., open to persons of all classes, creeds, and castes, but provision is made for religious instruction (which is compulsory for Hindu students) and examination in the Hindu religion only. Women are eligible for admission to the Univ. and exams., degrees, etc.

FACULTIES. Oriental Learning, Theology, Arts, Science, Technology, Law, Med. and Surgery (Ayurveda).

DEGREES. B.A., M.A., Ph.D., D.Litt., B.Com., M.Com., B.Sc., B.Sc. (Ind. Chem.), B.Sc. Technology (Glass and Ceramics), B.Sc. in Appl. Sc. (Engin.), B.Sc. (Mining), B.Sc. (Metallurgy), M.Sc., M.Sc. (Agric.), M.Sc. (Ind. Chem.), M.Sc. (Glass and Ceramics), D.Sc., B.Pharm., M.Pharm., Shastri, Shastracharya, Ayurvedacharya, Vedacharya, Vedashastri, Karmakand Shastri, LL.B., LL.M., LL.D., B.T.

DIPLOMAS. Mod. European Langs., Library Science, Paurohitya, Soap Manufacture, Metal Enamelling, Pottery and Porcelain.

RESIDENCE. Students are required to live in a Univ. Hostel, or, subject to the approval of the Pro-Vice-Chancellor, with parents or guardians. There are 9 hostels, accommodating 2200 students, and 285 residences for members of the staff.

SCHOLARSHIPS. 20 for Arts and Science students of merit, 20 for Teachers' Training College. Numerous other College Scholarships.

PUBLICATIONS. *Calendar* (occasionally); *Magazine* (quarterly).

THE YEAR 1946-47

STUDENTS. 4872, including 221 women.

DEGREES. B.A. (Hons.), 1; B.A., 272; M.A., 105; Ph.D., 2; B.T., 88; B.Sc. (Hons.), 1; B.Sc., 130; M.Sc., 63; B.Sc. (Eng.), 127; B.Sc. (Met.), 27; B.Sc. (Mining), 6; B.Sc. (Ceramics), 17; B.Sc. (Glass), 10; B.Sc. (Ind. Chem.), 58; M.Sc. (Ind. Chem.), 17; M.Sc. (Agric.), 23; B.Com., 39; M.Com., 15; B.Pharm., 17; M.Pharm., 1; Shastri, 29; Sampurna Shastri, 3; Acharya, 20; Law, 85; Ayurvedacharya, 35.

UNIVERSITY OF BOMBAY

Founded 1857

CHANCELLOR—H.E. THE GOVERNOR OF BOMBAY.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—MAHAMAHOPADHYAYA P. V. KANE, M.A., LL.M., D.Litt.

REGISTRAR—S. R. DONGERKERY, B.A., LL.B.

UNIVERSITY SCHOOL OF ECONOMICS AND SOCIOLOGY

Prof. of Economics—C. N. Vakil, M.A., M.Sc. Lond., F.S.S.

Reader in Economics—J. J. Anjaria, M.Sc. (Econ.) Lond., M.A. (Seconded to Government of India); Actg. Reader—D. T. Lakdawala, M.A., Ph.D.

Lectr. in Economics—D. R. Samant, M.A.

Prof. in Sociology—G. S. Ghurye, M.A., Ph.D. Camb.

Reader in Sociology—N. A. Thoothi, D.Phil. Ox., B.A.

Lectrs. in Sociology—K. M. Kapadia, B.A., Ph.D.; G. Sabnis, B.A.

Reader in Agric. Economics—M. L. Dantwala, M.A.

Lectr. in Agric. Economics—M. B. Desai, M.Com., Ph.D.

UNIVERSITY DEPARTMENT OF CHEMICAL TECHNOLOGY

Mody Prof. and Director of Dept. of Chem. Technol.—K. Venkataraman, M.A. Madr., M.Sc.Tech., Ph.D., D.Sc. Manc.

Chemical Engineering: Reader—Demr.—L. N. Mankad, B.Sc., B.Sc. (Tech.); G. P. Kane, Ph.D. Lond., M.Sc., D.I.C. Demrs.—J. V. Shanbhag, B.Sc., B.Sc. (Tech.); H. N. Madon, B.Sc., B.Sc. (Tech.).

Chemistry, Pharmaceutical: Reader—M. L. Khorana, M.S. Mich., B.S. (Pharm.). Demr.—Miss M. B. Vangikar, B.Sc., B.Sc. (Tech.).

Dyeing and Printing: Reader—G. M. Nabar, M.Sc. (Tech.), Ph.D. Manc., B.A., M.Sc. Lectr.—..... (Experimental D.). Demr.—G. D. Joshi, B.Sc., B.Sc. (Tech.). 2 Tech. Assts.

Fuel Technology: G. S. Tendolkar, B.Sc. (Tech.), Ph.D.

Optics: Lectr.—B. K. Vaidya, M.Sc., Ph.D. Liv.

Dyestuff Technology: Reader—R. D. Desai, D.Sc. Lond., D.I.C., B.A., M.Sc. Demr.—V. V. Chaisas, B.Sc., B.Sc. (Tech.).

Oils, Fats and Soaps: Reader—J. G. Kane, Ph.D. Wisc., M.Sc. Demr.—G. K. Belekar, B.Sc., B.Sc. (Tech.).

Plastics, Paints and Varnishes: Reader—N. R. Kamath, B.Sc., B.Sc. (Tech.). Demr.—T. B. Vidwans, B.Sc., B.Sc. (Tech.).

General Engineering: Lectr.—.....

Foods and Drugs: Lectr.—A. Sreenivasan, M.A., D.Sc. Madr., F.R.I.C. Demr.—H. R. Pitawala, B.Sc., B.Sc. (Tech.).

Pharmacy: Lectr.—S. H. Merchant, B.Sc., B.Pharm. Lond.

1 Senr. Analyst, 1 Micro-Analyst, 3 Analytical Assts. 9 Part-time Lectrs. in Costing and Estimating, Maths., Yarn and Cloth, Textile Design, Pharmacology, Physiology, Indust. Organization and Indust. Relns., Mech. and Elect Engin. Lab. Practicals.

UNIVERSITY DEPARTMENT OF MILITARY STUDIES

Director—Brigadier S. A. H. Hungerford, M.C.

AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES

AHMEDABAD, Gujarat College (Govt.). Recognized in courses for B.A., M.A., B.Sc., M.Sc. Principal—S. S. Bhandarkar, B.A. Profs.: *Biology*—R. N. Sutaria, B.A., M.Sc. *Chem.*—M. S. Shah, Ph.D. Lond., D.I.C., M.Sc. *English*—D. A. Dhruva, B.A. Ox., B.A. *Hist.*—..... *Maths.*—N. R. Trivedi, B.A. Camb., M.A. *Persian*—M. I. Dar, M.A. Panj. *Sansk.*—V. G. Bhat, M.A., Ph.D. Camb., B.A. 12 Lectrs.; 28 Asst. Lectrs.; 16 Demrs.; 3 Physical Instrs.

AHMEDABAD, H.L. College of Commerce. In Arts for I.Com., B.Com. and M.Com. Under control of Ahmedabad Educ. Soc. Principal, and Prof. of *Banking and Economics*—S. V. Desai, M.S. Columbia. 4 other Profs.

AHMEDABAD, Sir Lallubhai Shah Law College. Under control of the Gujarat Law Society. LL.B. and LL.M. courses. Principal—M. M. Thakore, B.A., LL.B. 5 other Profs. 1 Reader.

AHMEDABAD, L.D. Arts College and M. G. Science Institute. In Arts for B.A. In Science for B.Sc. Under control of Ahmedabad Educn. Soc. Principal, and Prof. of *Chemistry*—K. G. Naik, M.A., D.Sc. Lond., F.R.I.C., D.I.C. 13 other Profs. and 16 other Staff (including 6 Demrs. and 1 Phys. Instr.).

AHMEDABAD, B.J. Medical College (Govt.). 1st yr. classes for M.B., B.S. Principal, and Prof. of *Physiol.*—P. C. Rakshit, M.Sc., M.B. Cal., Ph.D. Edin. 5 other Profs. and Lectrs. 8 Demrs. and Technicians.

AMALNER, Pratap College. Under control of Khandesh Education Society. B.A. and B.Sc. courses. Principal—K. R. Kanitkar, M.A., B.Sc. Other Profs.: *English*—L. H. Tengshe, M.A. Eng. *Sanskrit*—V. M. Bedekar, M.A. *Marathi*—M. V. Phatak, M.A. *Logic*—D. D. Bagul, M.A., LL.B., B.T. *Econ. and Civics*—G. N. Kshirsagar, M.A., B.T. *Urdu and Persian*—R. K. Mudliar, M.A. *Physics*—V. P. Nene, M.Sc. *Chem.*—V. C. Dixit, M.Sc. (Tech.). *Biology*—V. P. Damle, M.Sc. *Maths.*—P. M. Oka, M.Sc.; and 20 others.

ANDHERI, Megji Mathradas Arts College and Narrouddass Manordass. Under the control of the Executive Cttee. of the Bharatiya Vidya Bhavan. B.A. and B.Sc. Principal—V. N. Bhushan, M.A., Ph.D. 35 other Profs. and Lectrs.

ANDHERI, Ismail Yusuf College (Govt.). Arts, B.A., M.A., Ph.D. Sci., Inter. B.Sc. Principal—Nayer I. Ahmed, M.A., B.Litt., M.A. Panj., Ph.D. Camb. 29 other Profs. and Lectrs.

BAGALKOT, Basaveshvar College. Under the control of the Basaveshvar Vidya Vardhak Sangha. B.A. and B.Sc. courses. Principal, and Prof. of *Sanskrit*—S. C. Nandimath, Ph.D. Lond., M.A. 17 other Profs. and Lectrs.

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GENERAL INFORMATION

Founded in 1857, the Univ. is a teaching as well as an examining Univ. Affiliated Colleges prepare students for the degree examns. All postgraduate work is undertaken by the Univ. in co-operation with the affiliated Colls. and recognized Postgraduate Institutions. The Board of Postgraduate Studies co-ordinates postgraduate instruction and research within the Univ. The Univ. School of Economics and Sociology and the Department of Chemical Technology have gained national importance.

LIBRARY (established 1864, owing to Premchand Roychand Benefaction, Rs. 4,00,000), 125,000 vols., including Departmental Libraries; 5000 manuscripts. **LIBRARIAN**—D. N. Marshall, M.A.

FACULTIES. Arts, Science, Technol. (including Agric. and Engin.), Law, Medicine.

DEGREES. B.A., M.A., D.Litt.; B.Com., M.Com.; LL.B., LL.M.; B.Sc., M.Sc., D.Sc.; T.D., B.T., M.Ed.; B.E. (Civ., Mech., Elect.), M.E.; B.Sc. (Tech.), M.Sc. (Tech.); B.Sc. (Agric.), M.Sc. (Agric.); B.Sc. (Vet.); B.Text.; M.B., B.S., B.D.S., M.D., M.S., D.Hy.; Ph.D. **DIPLOMAS** in Ophthalmology (D.O.), Public Health (D.P.H.), Anæsthesia (D.A.), Ear, Nose and Throat (D.L.O.), Medical, Radiol. and Electrol. (D.M.R.E.), Pediatrics (D.Ped.), Psychol. Med. (D.P.M.), Skin and Venereal Diseases (D.V.D.), Tuberculosis (T.D.D.). Diploma in Military Studies. Diploma in Librarianship.

RECOGNITION of examns. of other Univs.: Interm. Arts and Sc. examns. of most other Indian Univs. and London, and also B.A., B.Sc., LL.B. of some of the Indian Univs.

FEES for Univ. postgrad. courses in the School of Econ. and Sociol., Rs. 60 per term. Dept. of Technology—Rs. 200 for graduates of Bombay Univ., Rs. 300 for graduates of other Univs. The tuition fee in affiliated colleges is generally Rs. 90 per term, exclusive of the laboratory fee. In some mofussil colleges the tuition fee is less than Rs. 90.

DEPT. OF MILITARY STUDIES. Instituted in Sept. 1943, to give Military Training to such students as wish to make the Army their career. Director—Brigadier S. A. H. Hungerford, M.C.

PHYSICAL TRAINING. Physical training is compulsory for the first two years in colleges.

RECREATION. The Univ. Board of Sports organizes the activities of the Univ. in the field of sports. Intercollegiate and intergroup sports are arranged every year. Individual colleges also provide facilities for indoor and outdoor games. In addition, three Battalions of the Officers' Training Corps are attached to the Univ.

RESIDENCE. Board and lodging at University Hostel and also at Colleges.

FELLOWSHIPS, SCHOLARSHIPS, ETC., FOR GRADUATES. Technology, The Chaturbhuj Jivandas Fellowship, Rs. 1500 p.a. for 1 yr., renewable in approved cases; Duke of Edinburgh Fellowship, Rs. 420 p.a. for 2 yrs., awarded every alternate yr., or whenever vacant; Medicine, The Hansraj Pragji Thackersey Prince of Wales Fellowship, Rs. 950 p.a. for 1 yr.; Mohabat Fellowship, Rs. 100 p.m. for 2 yrs., awarded every alternate yr., or whenever vacant; Medicine, Ratanji Ranchhodji Desai Research Fellowship, Rs. 550 p.a. for 2 yrs.; Dhirajlal Mathuradas Scholp., Rs. 200 p.a. for 2 yrs., awarded every alternate yr.; Ellis Scholp., Rs. 20 p.m. for 1 yr.; Gangadas Rangildas Scholp., Rs. 400 p.a. for 1 yr.; Lord Minto Scholp., Rs. 400 p.a. for 2 yrs.,

awarded every alternate yr. ; Miss Sokaribai S. Mankar Scholp., Rs. 300 p.a. for 1 yr. (women) ; Narayan Vasudev Scholp., Rs. 180 p.a. for 1 yr., awarded in alternate yrs. ; Perozshaw Merwanji Jijibhai Avesta and Pahlavi Scholp., Rs. 190 p.a. for 1 yr. ; Pragji Thackersey Moolji Science Scholps., one in Science, Rs. 355 p.a. for 1 yr., and one in Arts, Rs. 145 p.a. for 1 yr. ; Pralhad Sitaram Patwardhan Scholp., Rs. 310 p.a. for 2 yrs., awarded every alternate yr., or whenever vacant ; Sir James Fergusson Scholp. in Arts, Rs. 50 p.m. for 2 yrs., awarded biennially ; Sir Lawrence Jenkins Scholp., Rs. 236 p.a. for 2 yrs. ; Sir Mangaldas Nathubhai Scholps., Rs. 2000 p.a. for 3 yrs. (Hindus), 2 awarded each yr. and an additional one every 3rd yr. ; in Sanskrit, Bhugwandas Purshottamdas Scholp., Rs. 720 p.a. for 1 yr. ; Jamshedji Nussarvanji Petit Scholp., Rs. 340 p.a. for 1 yr. ; Sir William Wedderburn Scholp., Rs. 470 p.a. for 1 yr. ; The Ameha (wife of Dr. A. G. Viegas) Scholp., Rs. 166 p.a. for 1 yr. ; Bai Ratanji Lentin Scholp., Rs. 180 p.a. for 2 yrs., awarded biennially to women ; Sardar Bhimrao Ramrao Akbarnawis Science Scholp., Rs. 40 p.m. for 2 yrs., awarded every alternate yr. to Brahmins ; Merwanjee Framjee Panday Scholp. in Engin., Rs. 18 p.m. ; Law, Sir Mangaldas Nathubhai, Rs. 1000 p.a. for 3 yrs. ; Muncherji Nowroji Banaji, Rs. 170 p.a. for 1 yr., to Parsis ; Sir Narayan G. Chandavarkar Hindu Law Scholp., Rs. 550 for 2 yrs., awarded every alternate yr. ; Gussie K. Kanga Scholp., Rs. 330 p.a. ; Scholp. of the Medical Women for India Fund of 1883, Rs. 120 p.a. for 1 yr. ; The Sir Pherozcshah M. Menta Research Scholp., Rs. 850 p.a. for 3 years for research in History or Economics ; Bhimrao Ramrao Research Scholp., Rs. 2400 p.a. for 3 yrs. ; Springer Research Scholp., Rs. 100 p.m. for 2 yrs. ; Sir Mangaldas Mehta Research Scholp., Rs. 800 p.a., awarded biennially for research in Medicine. Lectureships : Sir Lallubhai Shah Memorial, Rs. 1200 every fourth year (3 lectures on a legal subject) ; Thakkar Vassonji Madhavji, Rs. 1000 for not less than 5 lectures.

Sir Currimbhoy Ebrahim and Bai Khanoobai Noormahomed Jairazbhoy Peerbhoy Scholps., for Muslims, natives of the Bombay Presidency, Rs. 300 p.m. for 3 yrs.

The Eduljee Dinshaw Scholarships—1 scholp. of Rs. 70 p.a., 1 scholp. of Rs. 130 p.a., awarded annually, with an additional award every fourth year ; 1 scholp. of Rs. 400 p.m., for study in foreign countries. The scholps. are tenable for 3 yrs., and are open to members of the Parsi community under certain conditions.

INSPECTION OF COLLEGES is conducted by means of committees.

INSPECTION OF SCHOOLS applying for recognition for purposes of the Matriculation examn. is arranged for by the Syndicate.

PUBLICATIONS. *Handbook* (in the Press) ; *Calendar* (Dec.), Rs. 6 ; *University Bulletin* (Aug., Nov. and March) ; *University Journal*, Rs. 14.

THE YEAR 1946-47

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. V. C. Volgin, Vice-President of the Soviet Academy of Sciences, and Prof. E. N. Pavlovsky, Head of the Academy of Science in the Republic of Tugiks, delivered public Lectures on the "Position of Science in Russia." Prof. Oscar Riddle, from the United States of America, delivered three lectures on : (1) "Physiological Actions of Prolectins," (2) "The Relation of Hormones to Bodily Constitution," (3) "Some Actions of Estrogenic Hormones on Blood Chemistry and Bones." Prof. S. K. Do, M.A., D.Litt., Prof. of Sanskrit, Dacca Univ., delivered a course of three lectures on "Sanskrit Devotional Poetry and Hymnology."

STUDENTS. Full-time : 40,495.

DEGREES. B.A., 2161; M.A., 332; B.Com, 423; M.Com., 8; B.T., 300; B.Sc., 1246; M.Sc., 49; B Sc. (Agric.), 106; M Sc. (Agric.), 6; B.E., 198; B.Sc. (Tech.), 52; M.Sc (Trans. Text), 107; LL.B., 567; LL.M., 3; M.B., B.S., 170; M.D., 34; M.S., 9; D.O., 1; D.A., 2; D.Ped, 7; D.V.D., 3; D.L.O., 4; Final B.D.S., 1.

UNIVERSITY OF CALCUTTA

Founded 1857

Address—Senate House, College Street, Calcutta.

Telegrams—University Calcutta.

CHANCELLOR—H.E. THE GOVERNOR OF BENGAL.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—Prof. PRAMATHANATH BANERJEE, M.A., B.L., Barr.-at-Law.

PRESIDENTS, POSTGRADUATE COUNCILS—Prof. PRAMATHANATH BANERJEE, M.A., B.L., Barr.-at-Law—Arts; Prof. MEGHNAD SAHA, D.Sc., F.R.S.—Science.

OFFG. REGISTRAR—S. C. GHOSH, M.A.

OFFG. CONTROLLER OF EXAMINATIONS—A. P. DASGUPTA, M.A., Ph.D. Lond.

OFFG. INSPECTOR OF COLLEGES—B. B. DUTT, M.A., Ph.D., B.L.

SECRETARY TO THE COUNCILS FOR POSTGRADUATE STUDIES IN ARTS AND SCIENCE—S. N. MITRA, M.A.

TEACHING STAFF

Agriculture

Sen, P. K., M.Sc., Ph.D. Lond.,
D.I.C. G. P. Singh Prof.

Anthropology

Chattopadhyay, K. P., M.Sc.
Prof.

Art

Ray, N. R., M.A., D.Litt. and
Phil. Leyden, Dip.Lib. Lond.,
F.L.A.

Bageswari Prof. of Indian
Fine Arts.

Botany

Sarbadhikari, P. C., D.Sc., Ph.D.
Lond., D.I.C., F.L.S., M.A.
Sir R. B. Ghose Prof.

Chemistry, Agricultural

..... Sir P. C. Ray Prof.

Chemistry, Applied

Guha, B. C., D.Sc. Lond., Ph.D.
Sir R. B. Ghose Prof.

Chemistry, Pure

Ray, P. R., M.A., F.N.I.
Sir T. N. Palit Prof.
Sarkar, P. B., M.Sc., Dr. ès Sc.,
F.N.I. Sir R. B. Ghose Prof.
Bardham, J. C., D.Sc. Calc. and
Lond. G. P. Singh Prof.

Economics

Niyogi, J. P., M.A., Ph.D. Lond.
(on leave) Prof.

English

Bhattacharyya, M. M., M.A., B.L.,
Ph.D.
Sir G. D. Banerjee Prof.

History and Culture, Islamic

..... Prof.

History and Culture, Ancient Indian

Raychaudhuri, H. C., M.A., Ph.D.
Carmichael Prof.
Kramrisch, Stella, Ph.D. Prof.

<i>History, Mediæval and Modern Indian</i>	<i>Physics, Pure</i>
Banerjee, I., M.A., Ph.D.	Saha, Meghnad, D.Sc., F.R.S.
Asutosh Prof.	Palit Prof.
<i>Indian Language, Modern</i>	Mitra, S. K., M.B.E., D.Sc.
Banerjee, S. K., M.A., B.L., Ph.D.	Sir R. B. Ghose Prof.
R. Lahiri Prof.	Bose, S. N., M.Sc.
<i>Islamic Studies</i>	G. P. Singh Prof.
Siddiqi, Md. Z., M.A., B.L., Ph.D.	<i>Physiology</i>
Asutosh Prof.	..... Prof.
<i>Mathematics, Applied</i>	<i>Political Science</i>
Sen, N. R., Ph.D., D.Sc.	Banerjee, D., M.A.
Sir R. B. Ghose Prof.	Surendranath Prof.
<i>Mathematics, Pure</i>	<i>Psychology</i>
..... Hardinge Prof.	Bose, G. S., M.B., D.Sc. Prof.
Sen, B.M., M.A. Camb., M.Sc. Prof.	<i>Sanskrit</i>
<i>Mental and Moral Science</i>	..... Asutosh Prof.
Maitra, S. K., M.A., Ph.D.	<i>Statistics</i>
George V. Prof.	Mahalanobis, P. C., O.B.E., M.A.
<i>Pali</i>	Camb., B.Sc., F.R.S., F.S.S.,
..... Prof.	F.N.I. Hon. Prof.
<i>Phonetics and Indian Linguistics</i>	<i>Zoology</i>
Chatterji, S. K., M.A., D.Lit.	Mookerjee, H. K., D.Sc. Lond.,
Lond. G. P. Singh Prof.	D.I.C. Sir N. R. Sircar Prof.
<i>Physics, Applied</i>	Tagore Professor of Law
Mahanti, P. C., D.Sc., F.Inst.P.	.....
Sir R. B. Ghose Prof.	

POSTGRADUATE TEACHERS IN ARTS. *Economics*, 20; *English*, 15; *French*, 3; *History*, including *History and Culture*, *Ancient Indian*, 26; *Islamic History and Culture*, 6; *Mathematics, Pure*, 9; *Modern Indian Language*, 16; *Sanskrit*, 18; *Pali*, 7; *Persian and Arabic*, 11; *Philology, Comp.*, 3; *Philosophy*, 13; *Psychology*, 12; *Anthropology*, 8; *Commerce*, 12.

POSTGRADUATE TEACHERS IN SCIENCE. *Botany*, 13; *Chemistry*, 19; *Chemistry, Applied*, 19; *Geology*, 6; *Mathematics, Applied*, 13; *Physics*, 17; *Physics, Applied*, 9; *Physiology*, 10; *Zoology*, 10; *Statistics*, 7; *Geography*, 9.

UNIVERSITY LAW COLLEGE. Principal (Offg.)—A. C. Karkoon, M.A., B.L., and 29 Professors.

AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES

[I.A., I.Sc., B.A., M.A., B.Sc., M.Sc., B.Com., etc. = affiliated up to Interim. Arts, Interim. Sci., B.A., M.A., etc., standard.]

AMTA (HOWRAH), Ramsaday College. I.A.

ASANSOL, Asansol College. B.A. and I.Sc.

- BALLYGUNJE (CALCUTTA), *Muralidhar Girls' Institution*. I.A.
- BANKURA, *Bankura Christian College*. B.A. and B.Sc.
- BASIRHAT, *Basirhat College*. I.A.
- BELGACHIA, *Carmichael Medical College*. I.Sc., M.B., Dip. in Obs. and Gynaecol.
- BELUR MATH, *Ramkrishna Mission Vidyamandir*. I.A., I.Sc.
- BERHAMPUR, *Berhampur Girls' College*. B.A.
- BERHAMPUR, *Krishnath College*. B.A., B.Com. and B.Sc.
- BERHAMPUR, *Union Christian College*. B.T.
- BHOWANIPUR (CALCUTTA), *Asutosh College*. B.A., B.Com. and B.Sc.
- BISHNUPUR (BANKURA), *Ramananda College*. B.A. and I.Sc.
- BURDWAN, *Raj College*. B.A., B.Sc.
- CALCUTTA, *All India Institute of Hygiene and Public Health* (Govt.). D P.H. and D.Sc. in Public Health.
- CALCUTTA, *Bangabasi College*. B.A., B.Com. and B.Sc.
- CALCUTTA (SIBPUR), *Bengal Engineering College* (Govt.). B.E. and B.Met.
- CALCUTTA, *Bengal Tanning Institute*. Cert. in Tanning.
- CALCUTTA, *Bethune College* (Girls) (Govt.). B.A., I.Sc.
- CALCUTTA, *Charuchandra College*. I.A.
- CALCUTTA, *City College*. B.A., B.Sc., B.Com.
- CALCUTTA, *David Hare Training College* (Govt.). B.T.
- CALCUTTA, *Gokhale Memorial Girls' College*. I.A.
- CALCUTTA, *Islama College* (Govt.). B.A., I.Sc.
- CALCUTTA, *Lady Brabourne College*. B.A., I.Sc.
- CALCUTTA, *Lake Medical College*. (Govt.) M.B.
- CALCUTTA, *La Martinière*. I.A., I.Sc.
- CALCUTTA, *Loreto House* (Girls). B.A., I.Sc., B.T.
- CALCUTTA, *Maharaja Manindra Chandra College*. B.A., B.Com., I.Sc.
- CALCUTTA, *Medical College of Bengal*. M.B., D.O.M.S.
- CALCUTTA, *Presidency College* (Govt.). B.A., B.Sc.
- CALCUTTA, *St. Joseph's College*. I.A., I.Sc.
- CALCUTTA, *St. Paul's Cathedral Mission College*. B.A., I.Sc.
- CALCUTTA, *St. Xavier's College* (S.J.). B.A., B.Com., B.Sc., B.T. Students of other religious persuasions are admitted.
- CALCUTTA, *Sanskrit College* (Govt.). B.A.
- CALCUTTA, *Scottish Church College*. B.A., B.Sc. and B.T. Formerly the General Assembly's Institn. and Duff Coll.
- CALCUTTA, *Seth Anandram Jaipuria College*. B.A., B.Com.
- CALCUTTA, *South Calcutta Girls' College*. B.A.
- CALCUTTA, *Surbhash Institute of Culture*. B.A.
- CALCUTTA, *Surendranath College*. B.A., B.Com., B.Sc., B.L.
- CALCUTTA, *Victoria Institution for Girls*. B.A., I.Sc.
- CALCUTTA, *Vidyasagar College*. B.A., B.Com., B.Sc.
- CALCUTTA, *Women's College*. B.A.

- CHANDARNAGORE, *College De Bussy*. B.A., I.Sc.
 CONTAI, *Prabhatkumar College*. B.A., I.Sc.
 COOCH-BEHAR, *Victoria College*. B.A. and B.Sc.
 DARJEELING, *St. Joseph's College*. I.A., I.Sc.
 DARJEELING, *St. Paul's College*. I.A., I.Sc.
 GOBARDANGA, *Hindu College*. I.A., I.Sc.
 HETAMPUR, *Krishnachandra College*. B.A., I.Sc.
 HOWRAH, *Bhowani Balika Vidyalaya*. I.A.
 HOWRAH, *Narasimha Dutt College*. B.A., B.Sc.
 HUGHLI, *Hughli Mohsin College* (Govt.). B.A., B.Sc.
 IMPHAL (MANIPUR), *Dhanamanjari College*. I.A.
 JALPAIGURI, *Anandachandra College*. B.A., I.Sc.
 KALIMPONG, *Scottish Universities Mission College*. I.A.
 KALNA, *Kalna College*. I.A.
 KRISHNAGAR, *Krishnagar College* (Govt.). B.A., B.Sc.
 KURSEONG, *St. Helen's College*. I.A.
 KURSEONG, *Victoria College*. Interim.
 MAHISADAL, *Raj College*. I.A.
 MALDAH, *Maldah College*. I.A.
 MIDNAPUR, *Midnapur College*. B.A., B.Sc.
 NAIHATI, *Rishi Bankimchandra College*. I.A.
 SERAMPUR, *Serampur College*. B.A. and B.Sc.
 SONADA, *Salesian College*. I.A.
 UTTARPARA, *Uttarpara College*. I.A., I.Sc.

GENERAL INFORMATION

In July 1854 the Court of Directors of the East India Company sent a despatch to the Governor-General of India in Council directing the organization of the Universities of Calcutta, Madras and Bombay. In pursuance of that despatch the University of Calcutta was incorporated on January 24, 1857, for the purpose of "ascertaining, by means of examination, the persons who have acquired proficiency in different branches of Literature, Science and Art and rewarding them by Academical Degrees as evidence of their respective attainments and marks of honour proportioned thereunto." Modelled on the University of London, then a purely examining body, the functions of the University were limited to the conduct of examinations and the award of degrees. The jurisdiction of the University extended at first throughout practically the whole of northern India. But with the establishment of other Universities and partition of Bengal on account of recent political changes in India the territorial jurisdiction has now been limited to the Province of West Bengal only.

In 1864 an Act was passed by which the Universities of Calcutta, Madras and Bombay were empowered to confer the honorary Degree of Doctor in the Faculty of Law.

In 1902, a Commission was appointed by Lord Curzon to examine the working of the Universities in India, and on their recommendation the Indian Universities Act of 1904 was passed, which came into force on September 1, 1904. Under section 3 of Act VIII. of 1904, the University became empowered, among other things, to make provision for the instruction of students, to

appoint University Professors and Lecturers, to hold and manage educational endowments, to erect, equip and maintain University libraries, laboratories and museums, and to make regulations relating to residence and conduct of students. Though most of the teaching continued to be imparted in the affiliated colleges, teaching in some of the higher branches began to be organized under University management. Assisted by grants from the Imperial Government and by private benefactions, it was possible for the University to arrange for Postgraduate teaching and research from 1909. The organization of higher teaching and research was made by the Senate mainly on the initiative of the late Sir Asutosh Mookerjee, Vice-Chancellor from 1906-14 and again from 1921-23.

In 1917 a new scheme for Postgraduate teaching and research was brought into operation, providing for the centralization of Postgraduate teaching in Calcutta within, and under the control of, the University. The departments of Postgraduate teaching in Arts and Science were placed under two Councils, with two Executive Committees, responsible directly to the Senate. The University now provides for Postgraduate teaching in: (1) English; (2) Sanskrit; (3) Pali; (4) Arabic; (5) Persian; (6) Hebrew; (7) Syriac; (8) Greek; (9) Latin; (10) French; (11) German; (12) Modern Indian Languages, Bengali, Hindi, Urdu, Assamese, Oriya; (13) Comparative Philol.; (14) Mental and Moral Philos.; (15) History (including Ancient Indian History and Culture and Islamic History and Culture); (16) Economics; (17) Political Science; (18) Commerce; (19) Maths. (Pure and Applied); (20) Physics (Pure and Applied); (21) Chemistry (Pure and Applied); (22) Physiol.; (23) Botany; (24) Geol.; (25) Zool. and Comparative Anat.; (26) Psychol.; (27) Anthropol.; (28) Statistics; (29) Geography; (30) Applied Psychology; (31) Radio-Physics and Electronics.

The Department of Postgraduate Teaching and Research in Arts is located in the Asutosh Building. Postgraduate Teaching and Research in the different branches of Scientific studies are carried on in the University College of Science at 92 Upper Circular Road and 35 Ballygunge Circular Road, where opportunities for research have been provided by the establishment of extensive laboratories and an up-to-date Workshop. This has been possible mainly through the generosity of the late Sir Taraknath Palit, D.L., the late Sir Rashbehary Ghose, C.S.I., M.A., D.L., Ph.D., and the late Raja of Khaira. The University maintains a staff of whole-time and part-time teachers.

Government grants from 1912 to 1947 amounted to Rs. 1,43,62,232. During the same period private benefactions amounted to Rs. 86,11,087.

The Univ. buildings include a Senate House, the Durbhanga LIBRARY with Law College, Hostel, and Univ. offices, the Univ. Press, the Asutosh Building for postgraduate classes in Arts, postgraduate offices and the Univ. library, three buildings for the teaching of Postgraduate Science courses. LABORATORIES (in Univ. Coll. of Science): Phys. and Chem. (Pure and Applied), Applied Maths., Expl. Psych., Biol., etc. MUSEUMS: Asutosh Museum of Indian Arts (including Art collections of the late Mr. Puranchand Nahar) and Museums attached to the Anthropological and Commercial sections of the Univ. The University Press is accommodated in a separate building.

FACULTIES. Arts, Law, Science, Medicine, Engineering.

DEGREES. B.A., M.A., D.Litt., D.Phil.; B.Sc., M.Sc., D.Sc.; B.E., D.Sc. (Engin.); B.Arch. (Bachelor of Architecture); M.P. (Master of Planning); M.Arch. (Master of Architecture); B.Com.; B.T.; B.L., M.L., D.L.; M.B., M.D., M.S., M.O., M.Sc. (Public Health Engin.), D.Sc. (Public Health).

DIPLOMAS AND CERTIFICATES. D.P.H. (Diploma in Public Health); D.O.M.S. (Diploma in Ophthalmic Med. and Surg.); D.Sp.E. (Diploma in

Spoken English); Diploma in Domestic Science Training; Diploma in Obstetrics and Gynæcology; Diploma in Social Work (Labour Welfare); Diploma in Soap Technology; Diploma in Journalism; Diploma in Maternity and Child Welfare; Diploma in Librarianship; Diploma in Tuberculous Diseases; Certificate in Tanning; Certificate in Military Studies; Certificate in Applied Psychology.

TEACHERS' TRAINING DEPARTMENT. On account of paucity of arrangements for the training of teachers for High Schools in Bengal, and particularly to meet the needs for specialized training in teaching subjects under the revised Matriculation Regulations, the Univ. has opened a Teachers' Training Dept. under its own supervision. Arrangements have been made for the following courses in addition to the regular B.T. Course: (i) Teachers' Training Certificate Course (*General*), (ii) Teachers' Training Certificate Course (*Science*), (iii) Teachers' Training Certificate Course (*Geography*), (iv) Teachers' Training Certificate Course (*Art Appreciation*). Regular Exams. are held at the end of these courses and certificates are granted to successful candidates. The Dept. also organizes lectures by eminent educationists, of general and public interest on education and allied topics.

SCHOLARSHIPS, ETC. (a) In India—Premchand Roychand, Rs. 2400 p.a., tenable for 2 yrs., awarded annually, 1 in Lit. and 1 in Science; Sreegopal Basu Mallik Fellowship, Rs. 4000, in Vedanta (compared with Western) Philosophy; Sir Praphullachandra Ray Fellowship, 2 at Rs. 200 p.m. each, for researches in Chemistry. Sir Jagadisachandra Bose Fellowship, Rs. 150 p.m. for promotion of Physico-Biological Research. In addition, numerous other scholarships, medals and prizes are awarded both for research work and on the results of examn. (b) Abroad—Sir R. B. Ghose Travelling Fellowship, 3 of the value of Rs. 4400 each for Research or Investigation out of India for 1 yr.; Guruprasanna Ghose, 1 annually, tenable for 3 yrs. in Japan (Rs. 1000) or in Europe or America (Rs. 2000) by Bengali Hindus; Palit (Rs. 1,00,000) for Research or Investigation out of India for 1 yr.; Radhikamohan, 1 (Rs. 1,50,000) Endowment for advanced study abroad, tenable for 2 yrs. by Bengalee Brahmins; founded by Prof. H. C. Mookerjee—(i.) Lalchand Mookerjee Scholarships, Rs. 1,50,000 Endowment for Theoretical and Practical training abroad in Technical, Industrial and other allied subjects for Bengalee Protestant Christian students; (ii.) Sreemati Prasannamoyee Mookerjee Scholarships, Rs. 1,00,000 Endowment for training in Applied Commerce and Business Education—1 tenable abroad (Rs. 200 p.m.) and 1 within India (Rs. 50 p.m.) for Bengalee Protestant Christians; (iii.) Lalchand Mookerjee Indian Scholarships, Rs. 50,000 Endowment for training in Applied Commerce and Engin. for Bengali Protestant Christian students.

RESIDENCE. There are four classes of lodgings for students: (a) Collegiate Hostels; (b) Non-collegiate Hostels under external management; (c) Messes, attached or unattached; (d) Private Lodgings. Licences to Hostels under class (a) are granted by the Syndicate, while licences to the remaining three classes of lodgings are granted by the Students' Residence Committee—a subordinate body under the Syndicate, consisting of six members appointed annually from among the Members of the Senate.

STUDENTS' WELFARE. Principals of Colls. and specialists in physical educn. deal with all matters relating to the health of students, including physical education and organization of games and other forms of recreation. There is a whole-time Univ. Organizer of Physical Education. A Students' Infirmary is maintained, free of cost, for students requiring hospital treatment. Glasses are supplied to students with defective vision at concession rates. Military

Training is provided for a Univ. Corps recruited from affiliated colleges. All 1st yr. students in Calcutta Colls. are medically examined.

STUDENTS' ADVISORY BOARD (OVERSEAS). The University has established a Board for the purpose: (a) of supplying students wishing to pursue their education abroad with all the information, advice, and assistance which they may require; (b) of supplying the foreign Univ. authorities with information regarding the students which will enable them to make their selections from the applications forwarded.

APPOINTMENTS AND INFORMATION BOARD. Scheme prepared by the former Vice-Chancellor, Dr. Syamaprasad Mookerjee, for a partial solution of unemployment among Univ. graduates and undergraduates, with co-operation of business houses and different industrial concerns, adopted by Senate on Jan. 23, 1937. Its object is to provide these young men with opportunities and facilities for practical training and ultimately for starting independent careers of their own, in the different branches of Trade, Industry and Commerce. Rs. 36,000 was originally sanctioned by the Univ. for the purpose and an Appointments and Information Board has been established, which has now become a permanent department of the University, with a salaried Secretary who is in touch with the various industrial and commercial firms and maintains a Register of unemployed men, with details of their qualifications and careers, seeking benefit under the scheme.

INSTITUTE OF JUTE TECHNOLOGY.—The Institute of Jute Technology, which has been established under the auspices of this University by the Indian Jute Mills Assocn., through the efforts of the Assocn. and the Univ. Appointments Board, has been located within the compound of the Univ. Coll. of Science at 35 Ballygunge Circular Road, Calcutta. The cost of the building of the Inst. which approximately amounts to Rs. 12,00,000 will be borne by the Assocn. The maintenance of the Inst., which is under the management of a Governing Body of which the Vice-Chancellor is the Chairman and the President of the Assocn. is an *ex-officio* member, will also be financed by that Assocn. The Institute will train annually 25 Science Graduates or Undergraduates.

SPECIAL UNIVERSITY PROFESSORSHIPS, READERSHIPS AND LECTURESHIPS. Tagore Professorship in Law, Rs. 9000; Lady Brahmachari Readership in Medicine, Rs. 2000; Tarinicharan Sur Readership in Nuclear Physics, Rs. 6000; S. N. Ghosh Lectureship in Comp. Religion, Rs. 9000; Kamala Lectureship in Indian Life and Thought, Rs. 2000 and a gold medal; also other lectureships.

SPECIAL LECTURES. With a view to promoting a desire for original investigation and research, eminent scholars from India and abroad are, from time to time, invited by the Univ. to deliver courses of lectures on subjects in which they have specialized. These lectures, after delivery, are printed and published by the Univ.

LIBRARIES. The University Library is under the management of the Library Executive Committee, subject to the general control of the Syndicate. It is for the use of Resident Fellows, Registered Graduates, Research Scholars, Readers, Professors, Lecturers and students of Postgraduate classes, and Teachers of the Undergraduate classes of this University. It contains over 226,000 vols., including pamphlets and periodicals, and a fairly large collection of Bengali and Tibetan MSS. and Rotograph copies of Persian and Arabic MSS.; 593 books of the Sung Dynasty Tripitaka were presented by the Consul-

General for China. The Reading Hall accommodates over 300 readers at a time and remains open for 12 hours on all working days.

Besides this Library, there are other Libraries attached to the Univ., viz. Law College Library and Libraries of the Departments of Science.

UNIVERSITY PRESS. The Univ. undertakes the publication of specialized lectures delivered by the Univ. Professors, Lecturers and Readers, theses of successful candidates for degrees, scholarships and prizes, and results of research work carried out by Univ. Professors, Lecturers and Research Assts., besides a number of periodicals, annuals and serials.

PUBLICATIONS. *Calendar*, Rs. 7-8; its supplement volumes, subsequent to the year 1942, each vol. Rs. 3-0; *Univ. Regulations*, Rs. 4; *Convocation Addresses*, 1924-1932 and 1915-1923, each Rs. 5; *Calcutta Review*, monthly, annual subsn., Rs. 7-8 inland, 14 shillings foreign; *Journals of Depts. of Letters*, vols. i. to xxx., Rs. 6 each; *Journal of the Dept. of Science*, vols. i. to x., Rs. 4-8 per vol.; New Series, vol. i., Part I., Rs. 6 per vol., and Rs. 2 each part; Sir Asutosh Mookerjee Silver Jubilee volumes—vols. i., ii., and vol. iii. in 3 parts, Rs. 11-4 each; *Bulletin of Math. Society*, etc. Other publications (over 500 vols.) on Ancient Indian Culture, History, Philosophy, Law, Economics, Mathematics, Language and Science. Catalogue of University Publications may be had on application to the Registrar.

THE YEAR 1946-47

BENEFACTIONS. For Scholarships, medals, etc., Rs. 64,400 (including Rs. 30,000 from Saratchandra Chatterjee Memorial Committee for the creation of a lectureship after the great Bengali novelist the late Saratchandra Chatterjee).

CHANGES IN REGULATIONS. The following new courses of training have been introduced: (i.) Master of Planning; (ii.) Master of Architecture; (iii.) Master of Science (Public Health Engineering); (iv.) Plastics as a subject for M.Sc. Syllabuses for Philosophy for M.A.; Applied Physics for M.A. and M.Sc.; Geography for Intermediate; Bengali, Hindi, Urdu, Assamese, as Second Languages for I.A. and B.A. and for M.B. Examinations, were revised.

STUDENTS. 2190 graduates; 42,818 undergraduates.

DEGREES. B.A., 2022; M.A., 617; B.Com., 739; B.L., 308; B.Sc., 1230; M.Sc., 161; D.Sc., 9; B.T., 163; B.E., 61; M.B., 210; Ph.D., 6; D.P.H., 15; D.Sp.E., 4; B.Met., 15; M.D., 1; M.S., 3; D.Sc. (Pub. Health), 1; D.Phil., 1.

UNIVERSITY OF DELHI

Founded 1922

CHANCELLOR—H.E. THE GOVERNOR-GENERAL OF INDIA.

VICE-CHANCELLOR—Hon. SIR MAURICE GWYER, K.C.B., K.C.S.I.,
G.C.I.E., D.C.L., LL.D.

TREASURER—S. RATNAM.

OFFG. REGISTRAR—T. P. S. IYER, M.A.

APPOINTED (*) AND RECOGNIZED TEACHERS OF THE UNIVERSITY, for
classes above Intermediate standard.

(S.), (H.), (R.), (A.), (C.), and (I.), denote St. Stephen's, Hindu, Ramjas, Anglo-
Arabic, Commerce Colleges, and Indraprastha College for Women respect-
ively. (N.) and (Ag.) denote College of Nursing and Central College of
Agriculture respectively.

Anthropology

Biswas, P. C., M.Sc. Calc., Ph.D.
Berlin.*
Raj, Mrs. Hilda.*

Das, B. K., M.Sc. Panj. (Zool.)
(H.).
Das, P., B.Sc., LL.B. (Zool.) (H.).
Chand, G., M.Sc. Panj. (Zool.) (H.).

Arabic, Persian, and Urdu

Ali, A., M.A., M.O.L. Panj., Ph.D.
Camb. (S.).
Ahmad, S., M.A. (S.).
Abedi, S. A. H., M.A., Ph.D.
Agra (S.).
Sarup, B., M.A. (H.).
Shaida, R. N., M.A. Luck. (H.).
Lal, B. B., M.A. (H.).
Renjen, C. R., M.A. Panj. (R.).
Sharma, R. C., M.A. (R.).
Jan, S. A., M.A. Alld. (C.).
Zutshi, Pt. T. N. (I.).

Chemistry

Dutt, S., M.A., D.Sc., D.I.C.*
Laroia, B. D., D.I.C., Ph.D.*
Mitra, R. P., D.Sc.*
Saharia, G. S., Ph.D.*
Biswas, A. B., M.Sc., Ph.D.*
Jha, S. D., M.Sc. Alld.*
Kar, K. R., M.Sc., Ph.D.*
Singh, R. P., M.Sc. Alld.*
Hasan, C., Ph.D. Alig.*
Mathur, K. B. L., D.Sc. Agra.*
Johri, K. N., M.Sc.*
Parihar, D. B., M.Sc.*
Kochar, R. K., M.Sc.*
Raj, M., M.Sc.*
Aggarwal, A. L., M.Sc. Panj. (H.).
Jain, B. L., B.Sc. (H.).
Chowdhury, G. R., M.Sc., LL.B.
(H.).
Chandra, H., M.Sc. (H.).
Mehra, H. S., M.Sc. (H.).
Sareen, S. L., M.Sc. (R.).
Dubey, K. N., M.Sc. (R.).

Bengali, v. Sanskrit

Biology

Chinoy, J. J., D.Sc. (Bot.)*
Nanda, K. K., M.Sc., Ph.D. Bom.
(Bot.)*
Tandon, S. L., M.Sc. (Bot.)*
Bhatia, M. L., M.Sc., Ph.D., D.Sc.
(Zool.)*
Johri, L. N., M.Sc. (Zool.)*

Commerce and Geography

- Vaish, J. N., M.A. (C.).
 Shandilya, M. L., M.A., LL.B. (C.).
 Shukla, M. C., B.A., B.Com. Birm., M.A. (C.).
 Sadanah, K. L., M.A. Lond. (C.).
 Aggarwal, S. S., M.A., M.Com. Agra (C.).
 Jhanwar, S. S., M.Com. Alld. (C.).
 Gupta, R. K., M.Com. Alld. (C.).
 Sahai, V., M.A. (C.).
 Sud, L. P., M.A. (C.).
 Bhattacharya, M. K., M.A. Calc. (R.).
 Lal, B. M., B.Com. Panj. (R.).

Economics

- Rao, V. K. R. V., M.A., Ph.D. Camb.*
 Ganguli, B. N., M.A., Ph.D. Calc.*
 Nag, K. C., M.A. Calc. (S.).
 Bose, S. K., M.A. (S.).
 Singh, W. M., M.A. Luck. (S.).
 Ray, N. C., M.A. Dacca (S.).
 Mathur, R. N., M.A. (H.).
 Dhar, P. N., M.A. (H.).
 Mukhopadhyaya, S. N., M.A., Ph.D. Luck. (H.).
 Singh, G. N., M.Sc. Lond. (R.).
 Roy, P., M.A. Dacca (R.).
 Agarwal, A. N., M.A. Alld. (R.).
 Sehgal, B. R., M.A. Panj. (R.).
 Bhattacharya, M. K., M.A. Calc. (R.).
 Narain, Radhika, M.A. (C.).
 Ghosh, A. B., M.A. (C.).
 Krishnaswami Rao, D., B.A. Madr. (C.).

- Andley, K. K., M.A. (C.).
 Pant, N. K., M.A. Alld. (C.).
 Kausukutty, Miss C. K., M.A. Madr. (I.).
 Bose, Miss M., M.A. (I.).
 Chaudhry, Miss A., M.A. (I.).
 Rau, Mrs. S., M.A. (I.).

English

- Mathai, S., M.A. Bom. (S.).

- Walker, C. E., M.A. Ox. (S.).
 Bhalla, M. M., M.A. Panj. (S.).
 Jarvis, Rev. W. A. W., M.A. Ox. (S.).
 Ramsden, W. S., M.A., LL.B. Luck. (S.).
 Malhan, B. N., M.A. (S.).
 Bhattacharyya, A., M.A. Ox. and Calc. (H.).
 Thadani, N. V., M.A. Bom. (H.).
 Sood, P. C., M.A. Luck. (H.).
 Gupta, R. R., M.A. (H.).
 Mitra, B. N., M.A. (H.).
 Singh, Sarup, M.A. (H.).
 Gopal, Madan, M.A. (H.).
 Raina, S. P., M.A. Panj. (H.).
 Nath, W., M.A. Panj. (H.).
 Gupta, B. B., M.A. (R.).
 Chopra, R. P., M.A. (R.).
 Sharma, R. C., M.A. (R.).
 Malhotra, B. L., M.A. (R.).
 Ram, Mangat, M.A. (R.).
 Malhotra, M. L., M.A. Panj. (R.).
 Bahadur, U., Ph.D. Edin. (C.).
 Misra, B. P., M.A., Ph.D. Dub. (C.).
 Mathur, P. K., M.A. (C.).
 Mukerjee, G. C., M.A. Luck. (C.).
 Lal, Kanwar, M.A. (C.).
 Damodaran, A., M.A. Luck. (C.).
 Khanna, R. N., M.A. (C.).
 Pillai, Mrs. B., M.A. Madr. (I.).
 Mardhkar, Mrs. H., M.A. (I.).
 Prabhu, Miss S., M.A. (I.).
 Thomas, Miss S., M.A. (I.).
 Singh, Miss Uttam, M.A. (I.).
 Gorowara, Miss K., M.A. (I.).

*Hindi, v. Sanskrit**History*

- Sen, S. N., M.A., Ph.D., B.Litt.*
 Ram, D. R., M.A. (S.).
 Kapadia, E. R., M.A. (S.).
 Shankland, R. I., M.A. Ox. (S.).
 Paul, D., M.A. (S.).
 Rai, Ganpat, M.A. Panj. (H.).
 Poplai, S. L., M.A. (H.).
 Malik, P. C., B.A. Camb. (H.).
 Singh, G. N., M.Sc. Lond. (R.).
 Bhandari, D. R., B.A. Lond. (R.).

Nanda, S. C., M.A. Panj.	(R.).	Shankar, Hari, M.A. Benares	(A.).
Prasad, Amba, M.A.	(C.).	Dasgupta, S. R., Ph.D.	(C.).
Gupta, Mrs. R. D., M.A.	(I.).	Sabberwal, O. P., M.A.	(C.).
Saxena, Mrs. P., M.A.	(I.).	Goswami, Sj., M.A. Calc.	(I.).
Roy, Miss P., M.A.	(I.).		
Chopra, Miss Usha, M.A.	(I.).		

Law

Subramanian, L. R. S., M.A., M.L.*	
Sahani, M. S., M.A. Ox.*†	
Sharma, G. S., M.A., LL.M.*	
Shrimali, K. L., M.A., LL.M.*	
Mohan, P., M.A., LL.B.*†	
Jain, M. P., B.A., LL.B.*	
Tewari, R. B., M.A., LL.M.*	
Markose, A. T., M.A., LL.M.*	
Ali, I., M.A., LL.M.*	
Rotangi, A.B., M.A., LL.B.*	
Banerjee, B., M.A., LL.M.*	
Khowja, M. I., M.A., LL.B. Belf.*	
Bannerjee, E., M.A., LL.B.*	
Sachdeva, M. L., M.A., LL.B.*	
Ayler, S. K., B.L.*	
Mitra, Miss Latika, B.A., LL.B.*	
Varadachariar, Sir S., D.C.L.* (Hon.).	

Library Science

Dass Gupta, S., M.A. Camb.*	
Ranganathan, Rao Sahib S. R., D.Litt.*	
Garde, P. K., B.A.*	

Mathematics

Behari, Ram, M.A. Panj. and Camb., Ph.D., Sc.D. Camb.*	
Bhatnagar, P. L., M.A., Ph.D., D.Sc. Alld. (S.).	
Bhattacharya, P. B., M.Sc. Alld. (S.).	
Sircar, S. C., M.A. Camb. (S.).	
Seth, B. R., Ph.D., D.Sc. Lond., M.A., M.Sc. (H.).	
Seth, Govind Ram, M.A. (H.).	
Kapoor, J. N., M.A. (H.).	
Sharan, Jagdish, M.A. (H.).	
Mitra, J. N., M.A. (R.).	
Gupta, P. D., M.A. (R.).	
Saxena, H. C., M.A. (R.).	

Nursing

Craig, Miss M., M.A., B.Sc. (N.).	
Buchanan, Edith, B.A. (N.).	
Corwin, Janet D., B.A. (N.).	
Chanderkar, Miss P. H. (N.).	
Chacko, Miss M. (N.).	
Chatterji, Miss Ramola, B.A. (N.).	

*Persian, v. Arabic**Philosophy*

Bose, S. K., M.A. (S.).	
Adishesiah, W. V., M.A. Madr. (S.).	
Saksena, S. K., M.A., Ph.D. Lond. (H.).	
Chand, Prem, M.A. (H.).	
Pal, D., M.A. (H.).	
Banerjee, N. V., M.A. Calc., Ph.D. Lond. (R.).	
Kaul, B. N., M.A. Alld. (R.).	
Dass Gupta, Miss B., M.A. Calc. (I.).	
Jang, Mrs. N. S., M.A. (I.).	
Chakravarty, Mrs. N., M.A. (I.).	

Physics

Kothari, D. S., M.Sc. Alld., Ph.D. Camb.*	
Majumdar, R. C., Ph.D., D.Sc.*	
Singh, S. T., M.Sc.*	
Rai, R. N., Ph.D. Alld.*	
Singh, B. N., D.Sc.*	
Kitchlu, P. K., D.Sc.*	
Vaidya, W. M., Ph.D.*	
Kapoor, P. L., Ph.D. Camb.*	
Saha, N. K., Ph.D.*	
Auluck, F. C., M.A., Ph.D., D.Sc. Panj.*	
Singh, S. T., M.Sc.*	
Anand, S., M.Sc.*	
Verma, A. R., M.Sc.*	
Kishore, J., M.Sc.*	
Shastri, B. N., M.Sc.*	
Bambha, R. P., M.A.*	
Aggrawal, B. K., M.Sc.*	

Sharma, R. P., M.Sc.*	Choudhuri, N. N., M.A. Calc. (R.)
Gupta, S. N., M.Sc.*	Ram, G., M.A. (R.)
Puri, A. N., M.Sc. Panj. (H.)	Snatak, V., M.A. (R.)
Mathur, D. S., B.Sc. (H.)	Sharma, Pt. R. D., M.A. (C.)
Misra, V. M., M.Sc. (H.)	Dev, Pt. Ram, M.A. (I.)
Kapoor, I. S., M.Sc. Panj. (H.)	Sen Gupta, Miss Prabha, M.A. Calc. (I.)
Pur, V. P., M.Sc. Panj. (H.)	Sinha, Mrs. Savitri, M.A. (I.)
	Aggrawal, Miss S., M.A. (I.)
	Singh, S. P., M.A. Panj. (R.)
	Mitra, S. R., M.A. (C.)

Punjabi, v. Sanskrit

Russian

Shibayev, M. V.*
 Bourlin, Mrs. V.*
 Smith, Mrs. Larrisa.*
 Krijoff, A.*

Sanskrit and Hindi

Lachhmidhar, Pt. M. M., M.A., M.O.L. Panj., Ph.D. (S.)
 Kocher, H. V., M.A. Alld. (S.)
 Shastri, S. N., M.A., LL.B., Ph.D. (H.)
 Kaul, K. N., M.A., M.O.L. Panj. (H.)
 Lal, C. B., M.A., Ph.D. (H.)

Urdu, v. Arabic

Agriculture

Luthra, Rai Bahadur J. C., M.Sc. Lond., D.I.C. (Ag.)
 Singh, G., M.Sc. (Ag.)
 Sankaran, R., M.A., Ph.D., D.I.C. (Ag.)
 Bhandari, K. G., M.Sc. (Ag.)
 Bose, A. C., Ph.D. (Ag.)
 Pandey, K. P., M.A. (Ag.)
 Kathavate, Y. V., M.Sc., Ph.D. (Ag.)

GENERAL INFORMATION

The three constituent Colleges, formerly affiliated to the Univ. of the Panjab, were united to form a teaching and residential Univ. (Govt. of India Act, No. VIII. of 1922), with effect from May 1, 1922. Subsequently six Colleges, four for boys and two for girls, were recognized as constituent Colleges of the Univ., namely: The Anglo-Arabic, Ramjas Intermediate, Commerce, Central Coll. of Agriculture, Indraprastha Coll. for Women and Coll. of Nursing. With the introduction of the three-year degree course in the Univ. in 1943, the Ramjas Intermediate College was abolished. The authorities of the Univ. are a Court, an Executive Council, an Academic Council, and Faculties and Committees of Courses and Studies. The qualification for admission to the 3-yr. degree course is the passing of the Higher Secondary Examn. of the Board of Higher Secondary Education, Delhi, or an equivalent examn., or the Qualifying Examn. conducted by the Univ. Students who have passed the Intermediate Examn. of other Univs. may be granted exemption from the 1st year of the 3-yr. degree course.

FACULTIES AND DEANS: Arts, Dr. V. K. R. V. Rao; Science, Dr. D. S. Kothari; Law, Prof. L. R. S. Subramanian; Medicine, Dr. K. J. McDermott; Agriculture and Forestry, Rai Bahadur J. C. Luthra; Education,

DEGREES. B.A. (Pass), B.A. (Hons.), B.Sc. (Pass), B.Sc. (Hons.), B.Sc. Hons. (Ag.), B.Sc. Hons. (Nursing), 3 yrs.; M.A., M.Sc., 2 yrs. postgrad.; LL.B., B.C.L., 2 yrs. postgrad.; LL.M., open to Bachelors of Law of 2 yrs.' standing including 1 yr. resident study; LL.D., open to Masters of Law of 5 yrs.' standing; Ph.D., open to M.A. and M.Sc., B. of Lib. Sci., B.T.

FELLOWSHIPS AND SCHOLARSHIPS. The Univ. has instituted the following all-India Fellowships and Scholps., open to graduates of all Indian Univs. recognized by the Univ.: 3 Fellowships, each of Rs. 175 p.m., tenable for 2 yrs. for research work; 6 postgrad. scholps., each of Rs. 100 p.m., tenable for 2 yrs. for postgrad. studies. A senior scholp. of Rs. 100 p.m. is awarded annually for research work in Economics; a senior scholp. in History, known as the Oxford Scholp., value Rs. 100 p.m., has been instituted from the income of the endowment created by the Rhodes Trust. In addition, 12 Entrance Scholps., six for resident students—each of Rs. 100 p.m.—and six for non-resident students—each of Rs. 25 p.m.—tenable for 3 yrs., have been instituted. There are also Sizarships and Exhibitions for Science and Law students.

AVERAGE HOSTEL EXPENSES, Rs. 70 p.m.

Most Colls. have suitable playing-fields. The Univ. has playing-fields of its own.

PUBLICATIONS. *Code; Courses of Reading; Question Papers; Annual Report and Annual Accounts; Minutes; Convocation Addresses; the Sir Kikabhai Premchand Lectures in Economics.*

THE YEAR 1946-47

NEW BUILDINGS. Extension of the Univ. Hostel (University Hall); Biology Labs. in addition to the Physics and Chemistry blocks already completed; extension of the Law Faculty building staff quarters; Professors' houses; Miranda House (Univ. Women's Coll.); Arts Faculty Bldg. (Arts Coll.).

OTHER DEVELOPMENTS. At present there are in all 9 Professorial Chairs, of which 3 in the Fac. of Arts, 2 in the Fac. of Science, and 1 in the Fac. of Law are functioning. There is an Assoc. Professorial Chair in the Fac. of Science. New Depts. of Russian, Library Science, Nursing, Teachers' Training, Agric. and Forestry, Bot., Zool., Anthropol. Diploma course in Tuberculous Diseases.

STUDENTS. Full-time, 3053.

DEGREES (1946). B.A., 192; B.A. Hons., 92; M.A., 61; I.L.B., 118; I.L.M., 1; B.Sc., 28; B.Sc. (Hons.), 38; M.Sc., 19; Ph.D., 2.

UNIVERSITY OF LUCKNOW

Founded 1921

CHANCELLOR—H.E. THE GOVERNOR OF THE UNITED PROVINCES OF AGRA AND OUDH.

VICE-CHANCELLOR—SHRI ACHARYA NARENDRA DEVA, M.A., LL.B.

HON. TREASURER—Hon. SHRI C. B. GUPTA, M.A., LL.B.

REGISTRAR—R. R. KHANNA, M.Sc. (on leave).

PROCTOR—A. C. CHATTERJI, D.Sc., Dr.Ing. Berlin:

HON. LIBRARIAN—KALI PRASAD, M.A., LL.B.

TEACHING STAFF

KING GEORGE'S MEDICAL COLLEGE

Principal—Prof. B. B. BHATIA, M.D.

Anatomy

Mukerji, P. D., L.M.S. Calc.

Reader (Offg. Prof.).

Wahid, A., M.B., B.S., M.S.

Grade A Lectr. (Offg. Reader).

Agrawal, R. L., M.B., B.S., M.S.

Grade B Lectr.

Naryan, D., M.B., B.S. (Embryol.)

Lectr.

Agrawal, I. P., M.B., B.S.

Offg. Grade B Lectr.

Varma, H. C., M.B., B.S.

Grade B Lectr.

Parmanik, N. L., M.B., B.S.

Grade B Lectr.

Ribeiro, W., M.B., B.S.

Grade B Lectr.

Forensic Medicine

Prasad, Capt. R.

Pt.-time Reader.

Medicine

Sahai, H., M.B., B.S. Panj.

Emeritus Prof.

Bhatia, B. B., M.D.

Prof.

Misra, S. S., M.D.

Reader.

Kunwar, K. B., M.B., B.S., M.D.
(Path., Med. and Pharm.)

Lectr.

Gupta, N. N., M.B., B.S.

Lectr.

Singh, Capt. M., M.B., B.S.
(Dermatol.)

Lectr.

The Supt., Mental Hosp., Agra
Teacher in Mental Diseases.

Mathur, J. B. L., M.B., B.S., M.D.
(Tuberculosis)

Pt.-time Lectr.

Obstetrics and Gynaecology

Marchant, Gladys H., M.D. Lau-
sanne, D.O.M.S., F.R.C.S.Ed.
and Eng., F.R.C.O.G.

(on leave) Prof.

Mitra, K. N., M.B., B.S., M.D.,
F.R.C.S.

Offg. Prof.

Sanwal, Mrs. H. M., M.B., B.S.
Panj.

(on leave) Lectr.

Malkani, Miss., M.B., B.S.
Offg. Reader.

Vaish, Mrs. R., M.B., B.S.
Offg. Lectr.

Ophthalmology

Misra, C. P., L.M.S. Panj.
Emeritus Prof.

.....
Gupta, S. M.B., D.O.M.S. Lond.,
F.R.C.S.Ed.

Reader (Offg Prof.)
Khanna, Capt. V. N., M.B., B.S.,
D.T.M., D.O., D.O.M.S.

Lectr. (Offg Reader).
Upadhyay, K. C., M.B., B.S.

Temp. Lectr.
Baneeji, S. C., M.B., B.S.

Temp. Lectr.
Chandra, D. B., M.B., B.S.
Temp. Lectr.

Pathology

Hameed, M. A., M.B., B.S. Alld.,
M.D., V.H.S. Prof.

Mangalik, V. S., M.D., D.C.P.
Lond. Reader.

Gupta, S. P., B.Sc. Ben., M.D.
(Pathol. and Med.), Dip.

Bact. Lond. Grade A Lectr.
Gupta, S. N., M.B., B.S.

Grade B Lectr.
Mehrotra, R. M., M.B., B.S.

Grade B Lectr.
Pharmacology

Chakarvarti, M. D., B.Sc., M.D.,
D.Phil. Prof.

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Mehrotra, M. P., M.B., B.S.

Grade A Lectr.
Arora, R. B., M.B., B.S.

Grade A Lectr.
Nath, K., M.B., B.S.

Grade B Lectr.
Kapoor, S. C., M.B., B.S.

(on leave) Lectr.
Malaviya, B. K., M.Sc., Ph.D. Alld.

Pharm. Chemist.

Physiology

Mathur, S. N., M.B., B.S. Alld.,
Ph.D. Lond. Prof.

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Reader.

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Grade B Lectr.

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Pant, R. K., M.B., B.S. Lectr.
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Kapoor, S. R., M.B., B.S. Lectr.

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B.S., D.M.R. Lond.

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Lal, B., M.B., B.S. Panj.

Temp. Pt.-time Lectr.

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Segal, K. N., M.B., B.S. Panj
Prof.

Surgery

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F.R.C.S.Ed., D.T.M. Lond.

Prof.
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F.R.C.S. Reader.

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Reader

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F.R.C.S. (Thoracic S.)

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Grade A Lectr.

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Nose and Throat)

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Lectr.
Tewari, B. S., M.Sc. (Geol.)
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Chaturvedi, S., M.A., Dip Ed.

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Lal, R., M.A., M.Ed Lectr.

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..... Lectr.

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Srivastava, S. S., M.Sc. Lectr.

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Prof.

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..... Lectr.

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Shukla, K. N., M.A., D.Litt. Ben. (on leave) Lectr.

Mishra, B., M.A. Lectr.

Singh, S. V., M.A. Lectr.

Avasthi, H. K., M.A. Lectr.

Shukla, D. N., M.A. Lectr.

Agarwal, S. P., M.A. Lectr.

Banerjee, A. C., M.A. Temp. Lectr.

Singh, J. N., M.A., D.Phil. Temp. Lectr.

Zoology

Bahl, K. N., D.Phil. Ox., D.Sc. Ox. and Panj., F.R.A.S.B., F.N.I. Prof.

Thapar, G. S., M.Sc. Panj., Ph.D. Lond. Reader.

Bhatia, M. L., M.Sc., Ph.D., D.Sc. Panj. Reader.

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Dayal, J., D.Sc. Lectr.

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Pal, R., M.Sc., Ph.D. Temp. Lectr.

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Commerce

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Pandey, A., M.A. Temp. Lectr.

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- Chatterji, B. N., M.A., B.L. Calc.
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Dutta, O. P., B.A. Ben., B.Sc.
(Econ.) Lond., F.S.S. Lectr.
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Lectr.

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S.J.D. Harv. Prof.
Privastava, B. N., B.A., LL.B.
Alld. Reader.
Shameem, K. M., B.A., B.C.L.
Reader.
Jigam, S. S., M.Sc., LL.M.
Temp. Reader.
Shukla, V. N., LL.M. Lectr.
Shwari, R. B., LL.M. Lectr.
Sharma, S. D., M.A., LL.M. (on
leave) Lectr.
Dutta, B. K., B.Sc., LL.M. Lectr.
Jigam, R. C., M.A., LL.M. Lectr.
Sharma, B. N., B.A., LL.M.
Temp. Lectr.
Shukla, S. N., B.A., LL.M.
Temp. Lectr.
Sandon, L. N., B.A., LL.M.
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Hajela, K. S., M.Sc., LL.B. Alld.,
LL.M. Bom., M.A., F.R.A.S.
(on leave) Reader.
*Misra, K. P., M.A. Ox. Reader.
*Das, S. C., B.A., LL.B. Camb.
Lectr. (Offg. Reader).
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Ganju, J. K.
Gupta, J. P.

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(Deoband) Mulla Alld.
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Naqvi, S. A. N., Fazil-i-Adab,
Sadrul - Afazil, Mumtazul-
Afazil Second Maulvi.
Hasan, M., Fazil Alld., Sadr-ul-
Afazil, Ph.D. Third Maulvi.

Sanskrit

- Avasthi, G. C., Vyakarna Acharya.
First Pandit.
Dwivedi, R. S., Vyakarna Acharya,
Sahityacharya
Second Pandit.

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Pauw, M.A. Wellesley Reader.

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Lectr.

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- Rizvi, Syed M. H., M.A. Lectr.

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	Lectr.
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Ghosh, Mrs. N.	Teacher
Sliyer, Miss E. H.	Teacher.

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Bryn Mawr, Ph.D.	Reader
Laha, Miss Priti, M.A.	Lectr.

Wanchoo, Miss V. Teacher.

Sanskrit, Prakrit Languages and Hindi

Bahuguna, S. P., M.A., Dip.	
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Sinha, Mrs. C., M.A.	Lectr.

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Wilson, Miss M. D., M.Ed.	Patna,
B.A., D.T.	Reader.

Pierce, Mildred, B.E., M.A. Lectr.

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Mathew, Miss A., M.A.	Lectr.
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(or after B.A. Hons., 1 yr.) ; Ph.D., after 2 yrs.' research ; D Litt., 5 yrs. after having taken Ph.D., also Honorary. B.Sc. Pass, 2 yrs. ; B.Sc. Hons., 3 yrs. ; M.Sc., 2 yrs. (or after B.Sc. Hons., 1 yr.) ; Ph.D., after 2 yrs.' research ; D.Sc., 5 yrs. after having taken Ph.D., also Honorary. B.Ed.Sc., 1 yr. postgraduate for holders of B.T., L.T., D.T. or C.T. ; LL.B., 2 yrs. after B.A. or B.Sc. or other specified degree ; LL.M., 2 yrs. after LL.B. ; LL.D., 3 yrs. after LL.M., also Honorary. M.B., B.S., 5 yrs. ; M.D., M.S., 3 yrs. after M.B., B.S. ; B.Com., 2 yrs. ; M.Com., 2 yrs. after B.Com. ; Ph.D., after 2 yrs.' research. The lectures are supplemented by tutorial work.

DIPLOMAS AND CERTIFICATES. Diplomas are granted in Public Admin., Foreign Affairs and Diplomacy, Public Health, Medical Radiology and Electricity, Laryngology and Otology, Gynaecology and Obstetrics, Teaching, Arabic, Persian and Sanskrit, Military Science. Certificates of Proficiency in French and German are also granted.

FEES for tuition per session : B.A. Pass and Hons., or B.Com., Rs. 120 ; M.A., M.Com. or LL.M., Rs. 150 ; M.B., B.S., Rs. 200 ; D.P.H., Rs. 340 ; Diplomas in Med. Radiol. and Elect., Laryngol. and Otol., Gynaecol. and Obstetrics, Rs. 400 for students outside U.P., Rs. 300 for U.P. Students ; B.Sc. Pass and Hons., or B.Ed.Sc., Rs. 150 (Geol., Rs. 225) ; M.Sc., Rs. 180 (Maths., Rs. 150) ; LL.B., Rs. 150 ; D.Sc., Rs. 225 ; Ph.D., Rs. 150 (Rs. 225 if work involves use of Labs.) ; L.T., Rs. 135 ; Dip. in Military Sci., Rs. 15 ; Dip. in Psychol., Rs. 60 ; Dip. in Pub. Admin., Rs. 80 ; German or French Certif., Rs. 40 (or in 3 instalments of Rs. 15, 15 and 10).

RESIDENCE. Students are required, unless specially exempted, to live in hostels, King George's Medical Coll., Canning Coll., Lucknow Christian Coll., Kanya Kuber Coll. and Shia Coll. for men ; Isabella Thoburn Coll., Mahila Vidyalaya Coll. and Karamat Husam Muslim Girls' Coll. for women. There is also a Univ. hostel for women students attached to Canning Coll. Fees : For men—Rs. 90 to Rs. 135 per session, according to room. For women—Rs. 67 to 90 per session, according to room.

PUBLICATIONS. *Calendar ; Prospectus ; Annual Report ; Quinquennial Report of Research Work ; Lucknow University Studies.*

THE YEAR 1946-47

BENEFACTIONS. Dr. S. N. Das Gupta, Rs. 1300 for " N. N. Sen Gupta " Gold Medal ; Rs. 9500 for endowment of Dr. Radha Kumud Mookerjee Lectureship ; Mr. Krishna Prasad Kaul, Rs. 1200 for Chandra Mohini Kaul Memorial Gold Medal ; Sir Srinivasa Varadachariar, Rs. 1000 for Sir Srinivasa Varadachariar Gold Medal, Rs. 1030 for Merle Curte Medal ; Mrs. V. Ram, Rs. 1000 ; Dr. M. B. Cameron, ex-Vice-Chancellor, Rs. 25,800 for scholps. in the Fac. of Arts or Science and for grant-in-aid of publications of approved research works or special prizes for good work in connexion with Master's degree in Arts or Science ; Government of U.S.A., 221 books for the Univ. Tagore Library ; Rs. 3000, as Univ. subscription from the Mahmudabad Estate ; Rs. 4000, for two R. K. Mookerjee half-feeships for students studying Ancient India.

NEW BUILDINGS. A building for the Indian Air Training Corps, a new Commerce Block and a separate Cashier's Office have been completed.

CHANGES IN REGULATIONS. Ordinance regarding fees amended to include examn. fees for B.A. and B.Sc. Prelim. examns. ; ordinances regarding Licentiate of Teaching amended, replacing those for Dip. in Teaching ; Education and Statistics included in combination of subjects for B.A. Pass degree ;

Euthenics introduced as subject of study in the I.T. Coll. ; percentage of pass marks in practical examn for Military Sci. changed from 60 to 33 ; ordinances regarding admission of Licentiates to M.B., B.S. class amended ; ordinances and regns. made for Dip. in Pub. Admin. and Dip. in Clin. Pathol.

EXTRA-MURAL WORK. Extension Lectures delivered by members of staff. Night Schools, Lantern Lectures and Civic Surveys organized by students in the Univ. Intimate contact established with evening schools for working men's children.

RESIGNATIONS. S. M.-Ahmad Ali (Eur. Hist.) ; Mrs. Pushpawati Lal ; S. P. Saksena (Econ. and Sociol.) ; Dr. R. N Saksena ; Dr. W. Mohammad ; K. N. Sinha (Pharmacol.).

RETIREMENTS. Dr. S. Banerji (Ind. Hist.) , Pt. A. D. Thakur (Sansk.) ; Dr. W. BurrIDGE (Principal, King George's Med. Coll.) ; Rai Bahadur H. G. Sahai ; Rai Bahadur Dr. R. Lal (Radiol.) ; C. P. Misra (Ophthalmol.).

DEATHS. Rai Bahadur B.B. Mukerjee (Econ. and Sociol.) ; K. K. Trivedi (Law.)

STUDENTS. 4955, including recognized Colleges.

DEGREES, ETC. (1947) 1687.

UNIVERSITY OF MADRAS

Founded 1857

Address—University Buildings, Chepauk, Triplicane P.O., Madras.

Telegrams—"University, Madras."

CHANCELLOR—H.E. THE GOVERNOR OF MADRAS.

PRO-CHANCELLOR—THE MINISTER FOR EDUCATION.

VICE-CHANCELLOR—Lt.-Col. DIWAN BAHADUR SIR A. LAKSHMANA-SWAMI MUDALIAR, B.A., M.D., LL.D., D.Sc., F.R.C.O.G., F.A.C.S.

ACTING REGISTRAR—SRI R. RAVI VARMA, M.A. Lond.

LIBRARIAN—M. O. THOMAS, M.A., Th.D., F.L.A.

TEACHING STAFF

Anthropology

Krishna Ayyar, L. A., M.A.
Sr. Lectr.

Biochemistry

..... Prof
Sivaraman C., M.A. Res Asst.

Botany

Sadasivan, T. S., M.Sc., Ph.D.
Reader.

Desikachari, T. V., M.Sc.
Jr. Lectr.

Experimental Psychology

Boaz, G. D., M.A., D.Phil. Ox.
Sr. Lectr.

Geography

Kuriyan, G., B.A., B.Sc., Ph.D.
Lond. Sr. Lectr.

Kalyanasundaram, V., M.A., L.T.
Jr. Lectr.

Indian Economics

Balakrishna, R., M.A., Ph.D.
Lond. Prof.

Poduval, R. N., B.A., M.Sc., Ph.D.
Lond. Reader.

Zacharias, C. W. B., M.A., I.T.
Lectr.

Indian History and Archaeology

Dikshitar, V. R. R., M.A., Dip.
Econ. Prof.

Mahalingam, T. V., M.A., D.Litt.
Reader.
..... Lectr.

Indian Music

Sambamurti, P., B.A., B.L. Lectr.

Indian Philosophy

Mahadevan, T. M. P., M.A., Ph.D.
Sr. Lectr.

Mathematics

Vaidyanathaswami, R., M.A., D.Sc.
Lond., Ph.D. Edin. Reader.

Politics and Public Administration

Bhaskaran, R., M.A. Reader.

Statistics

Rajalakshman, D. Y., M.A., M.Sc.
Lectr.

Technology

Govinda Rao, M. A., M.A., Ph.D.
Ag. Prof.

..... Reader.
Jayaraman, V. S., B.E.

(Gen. Engin.) Sr. Lectr.
Madhavan Nair, A. P., M.A.

(App. Phys. Chem.) Sr.
Lectr.

Chennakesavan, B., B.Sc.
(Chem. Engin.) Jr. Lectr.

Janardhan, P. B., B.Sc. (Indust. Chem.) Jr. Lectr.	Seshachalam Choudry, K., M.A., M.Sc.
Murugamanickam, P., B.E. (Gen. Engin.) Jr. Lectr.	(Leather Technol.) Hon. Prof.
Amalsad, D. M. (Textile Technol.) Hon. Prof.	Rajabather, K. (Leather Technol.) Asst.
Quraishi, R. A., B.Sc., B.Sc. (Tech.)	Mathew, C. Elanjikal, B.Sc., B.Sc. (Tech.)
(Textile Technol.) Lectr	(Leather Technol.) Asst.
Krishnamurthy, S., B.Sc., B.Sc (Tech.)	Zoology [Reader.
(Textile Technol.) Lectr.	Gnanamuthu, C P., M.A., D.Sc.
	Abraham, Mrs. F. G., M Sc Res. Asst.

ORIENTAL RESEARCH INSTITUTE

(3 Sections—*Sanskritic, Dravidian and Islamic*)*Sanskrit*

Raja, C. K., B.A., D.Phil. Ox.	Reader.
.....	Sr. Lectr.
Raghavan, V., M.A., Ph.D.	Jr. Lectr.

Tamil

Sethu Pillai, R. P., B.A., B.L.	Reader.
.....	Sr Lectr.
Reddiyar, V. V., Vidvan (to 1.6.48)	Jr. Lectr.

Telugu

Ramakrishnayya, K.	Sr Lectr.
Venkata Rao, N., M.A.	Jr. Lectr.

Malayalam

Menon, C. A., B.A., Ph.D. Lond.	Sr. Lectr.
Nayar, S. K., B.O.L.	Jr. Lectr.

Kannada

Mariappa Bhat, M., M.A., L.T.	Sr. Lectr.
Govinda Rao, B., M.A.	Jr. Lectr.

Arabic, Persian, and Urdu

Nainar, Md. H., M.A. Aligarh, Ph.D. Lond., LL.B.	(Arabic) Reader.
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Junior Lecturers

Eushaw, Syed, B.A. (Persian).
Siddiqi, Md. H. M (Urdu).

CONSTITUENT HONOURS COLLEGES

MADRAS, *Loyola College*. (Recognized in Honors Courses in Econ., Maths.)
Principal—Rev. Jerome D'Souza, B.A. Profs. and Lecturers: *Chem.*—Rev. L. M. Yeddnapalle, M.A., Ph.D., D.Sc.; P. C. Ramachandran, M.A.; R. Viraraghava Sarma, B.A.; S. Lakshminarasimhan, M.A. *Commerce*—G. Soundararajan, B.A., B.L.; D. Ramacharu, B.Com.; D. V. Krishnamurti, B.A., LL.B. *Econ. and Hist.*—Rev. F. Basenach, B.Sc. Lond., Ph.D.; Rev. F. Varin; Rev. A. M. Antonyswami; Rev. J. A. Adisayam, B.A.; L. N. Govindarajan, B.A. *English*—Rev. Jerome D'Souza, B.A.; Rev. L. D. Murphy, M.A. Ox.; A. L. Krishnan, B.A.; N. Balakrishnan, B.A.; M. G. Neelakantan, B.A. *French*—Rev. A. Sauliere; Rev. Mona; A. Maria Gabriel, B.A.; E. Divien, B.A. *Maths.*—Rev. C. Racine, D.Sc.; N. Sundaram Ayyar, B.A.; V. A. Mahalingham, B.A.; K. S. Anantanarayana Iyer, B.A.; K. Adivarahan, B.A.; S. Narayanan, B.A. *Sanskrit*—K. V. Subrahmanya Sastri,

B.O.L.; V. Varadachari, B.A. *Physics*—V. Somasundaram Iyer, B.A.; S. R. Govindarajan, B.Sc., M.Sc.; C. C. Ouseph, B.Sc. 42 other Teachers.

MADRAS, *Pachaiyappa's College*. (Recognized in Hons. Courses in Econ., Hist., Maths., Philos., Tamil Lang. and Lit., Telugu Lang. and Lit.) Principal—Rao Sahib R. Krishnamurti, M.A. Profs.: *Botany*—V. S. Sundaralingam, B.Sc., M.Sc. *Chem.*—P. Bhaskarapanikkar, M.Sc., T.B.I. Mathew, M.A. Camb.; M. V. Narasimhan, M.Sc. *Commerce*—P. R. Sundararajan, M.A., L.T., M.Com. *Econ.*—C. D. Rajeswaran, B.Sc. Lond.; E. S. A. Ayyar, M.A.; A. Muthiah, M.A. *English*—R. Krishnamurti, M.A.; M. Shanmugasundaram, M.A., L.T.; S. Appandai, M.A., L.T. *Hist.*—T. K. Venkataraman, M.A. L.T. *Indian Languages: Tamil*—M. Varadarajan, M.O.L. *Telugu*—M. Ramanuja Rao Naidu, M.A. *Sanskrit*—A. Shanmuga Mudr., M.A. *Maths.*—K. Sriramulu, M.A.; T. S. Sankaranarayan Pillai, M.A.; K. Narasimhachari, M.A.; J. A. Ambasankar, M.A. *Philos.*—P. C. Munuswamy, M.A. *Physics*—R. N. Selvam, M.A. Camb.; V. P. Narayanan Nambiar, M.A. *Zool.*—B. Bonnell, M.A. 70 other Teachers.

MADRAS, *Presidency College*. (Recognized in Hons. Courses in Botany, Chem., Econ., English Lang. and Lit., Geol., Hist., Maths., Physics, Politics, Sanskrit Lang. and Lit., Zool.) Principal—S. G. Manavala Ramanujam, M.A., Ph.D. Profs.: *Botany*—T. N. Venkatanathachari, M.A., M.Sc. *Chem.*—M. V. Sitaraman, M.A., L.T.; P. Ramanand, M.A., L.T. *Econ.*—P. P. Kallukaran, M.A., B.Sc., Ph.D. Lond. *English*—V. K. Ayappan Pillai, B.A. Ox.; K. Swaminathan, B.A. Ox.; N. Ramani, B.A., L.T. *Geol.*—T. N. Muthuswami Ayyar, M.A., L.T. *Hist.*—V. Venkataraman, M.A., L.T.; T. Bala-Krishna Nair, M.A. Lond. *Maths.*—K. Ananda Rao, M.A. Camb.; G. A. Srinivasan, M.A., L.T. *Physics*—S. Gopalakrishnamurti, M.A., D.Sc., B.Ed.; T. K. Lakshmanan, M.A. *Sanskrit*—A. Sankaran, M.A., Ph.D. *Zool.*—S. G. Manavalaramanujam, M.A., Ph.D. Lond., D.I.C. Lond.; M. Varada Ayyar, M.A., L.T. 55 other Teachers.

MADRAS, *Govt. Muhammadan College*. (Recognized in Hons. Course in Islamic History and Culture.) Principal—Mohammed Ishaq Hashimi, M.A., L.T. Profs. and Lecturers: *Arabic and Persian*—A. M. Abdul Qadir, B.A.; Ghulam Mohideen, M.A. *Islamic Hist.*—Syed Abdul Wahab Bukhari Sahib, M.A., L.T. *English*—M. I. Hashimi, B.A. Lond., L.T.; M. M. Ghani, B.A., L.T. *Hist. and Econ.*—V. Habibullah, M.A., L.T. *Maths.*—Mir Shabeer Hussain, M.A., B.T. *Physics*—Syed Yakub, M.A., L.T. *Chem.*—V. C. Subbiah Naidu, B.A., M.Sc., B.Ed. *Natural Science*—G. K. Ramachandran, B.Sc., L.T. 30 other Teachers.

MADRAS, *Vivekananda College*. (Recognized in Hons. Course in Econ.) *English*—Rao Bahadur D. S. Sarma, M.A.; K. Subrahmanyam, B.A., L.T. *Languages*—R. S. Venkatarama Sastriar, M.A.; C. Jagannathachariar, M.A., L.T. *Maths.*—T. R. Raghava Sastry, M.A. *Physics*—M. Narayanamurti, M.A. *Chem.*—N. Anantavaidyanathan, M.A. *Natural Sci.*—G. Venkataraman, M.A., M.Sc., L.T. *Geog.*—R. S. Mani, B.A., T.D. *Econ.*—T. V. Ramanujam, B.A. *Hist.*—R. S. Chakravarthy, M.A., B.L. *Commerce*—R. Dayanandhi Reddy, B.A., L.T. *Logic*—S. Rajagopala Sastry, M.A., L.T. 42 other Teachers.

AFFILIATED HONOURS COLLEGES

HYDERABAD, *Nizam College*. (Affiliated in Hons. Courses in Econ. and Hist.) Principal—P. K. Ghosh, M.A., B.Sc. Profs.: *Arabic*—A. A. Sidique, B.A. *Chem.*—Thatte, M.Sc. *Econ.*—E. Gideon, M.A. *Engl.*—Fazle Huq,

B.A. Camb. *Hist.*—S. H. Rao, M.A., L.T. *Maths.*—R. Krishnamurti, M.A. *Persian*—Ghulam Dastagir Rashead, M.A. *Physics*—J. C. K. Rao, D.Sc. Calc.; Syed Muhud. Ah Khan, B.A., B.Sc. 25 other Teachers.

TAMBARAM, *Madras Christian College*. (Recognized in Hons. Courses in English Lang. and Lit., Hist. and Econ., Maths., Philos., Physics and Zool.) Principal—Rev. A. J. Boyd, M.A. Vice-Principal—Rev. J. R. Macphail, M.A. Glas. Profs.: *Botany*—K. R. Venketasubban, M.A., Ph.D. *Chem.*—S. V. Anantakrishnan, M.A., Ph.D.; A. Viswanathan, B.A., B.Sc., M.Sc.; S. S. Gandhekar, M.A., Ph.D. *English Lang. and Lit.*—Rev. A. J. Boyd, M.A.; G. C. Martin, M.A. Edin.; Rev. R. S. Macnicol, M.A. St. And. (on leave); Rev. J. R. Macphail, M.A. *Hist.*—Chandran Devanesan, M.A. Camb.; S. S. Ayyar, M.A. *Maths.*—W. F. Kibble, B.A. Camb.; K. Narasimha Rao, M.A. *Philos.*—S. P. Adinarayan, M.A., Ph.D.; S. Parthasarathi, M.A. *Physics*—P. S. Srinivasan, M.A., D.Sc. *Zool.*—J. P. Joshua, M.A., Ph.D. 44 other Teachers.

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CONSTITUENT FIRST GRADE COLLEGES

MADRAS, *Queen Mary's College for Women*. Principal—Mrs. T. Nallamuthu Ramamurti, M.A., B.Sc., L.T. 8 Profs., 20 other Teachers.

MADRAS, *Women's Christian College*. Principal—Miss Eleanor D. Mason, M.A., Ph.D. 6 Profs., 19 other Teachers.

MADRAS, *Govt. College for Muslim Women*. Principal—Mrs. T. J. Cleetus, B.Sc. Lond. 12 other Teachers.

MADRAS, *Vivekananda College*. Principal—Rao Bahadur D. S. Sarma, M.A., L.T.

CONSTITUENT SECOND GRADE COLLEGE

MADRAS, *Stella Maris College*. Principal—Rev. Mother Lillian. 9 other Teachers.

AFFILIATED FIRST GRADE COLLEGES

ANANTAPUR, *Ceded District College*. Principal—P. Narayana Gowd, M.A., B.Sc. 38 other Teachers.

BANGALORE, *St. Joseph's College*. Principal—Rev. B. D'Souza, B.A. Camb., D.D. 34 other Teachers.

CHITTUR (COCHIN), *Govt. Arts College*. Principal—T. C. Sankara Menon, M.A. 10 other Teachers.

COIMBATINE, *Government College*. Principal—A. Ramanatha Pillai, M.A., L.T. 24 other Teachers.

ERNAKULAM, *Maharaja's College*. Principal—G. R. Narayana Ayyar, M.A., L.T. 81 other Teachers.

ERNAKULAM, *St. Albert's College*. Principal—Rev. Luke Burke, M.A., Ph.D.

ERNAKULAM, *St. Teresa's College*. Principal—Sister M. Digna, M.A. 15 other Teachers.

KARAIKUDI, *Dr. Alagappa Chettiar College*. Principal—T. Suryanarayana, B.A. Camb. 12 other Teachers.

KUMBAKONAM, *Government College*. Principal—M. Karamchand Wade, M.A., Ph.D. 28 other Teachers.

MADANAPALLE, *Theosophical College*. Principal—B. R. Kumar, M.A. 19 other Teachers.

MADURA, *American College*. Principal—A. Ranjitham, M.A., L.T. 55 other Teachers.

MADURA, *Madura College*. Principal—P. Mahadevan, M.A.

MANGALORE, *St. Agnes' College*. Principal—Sister M. Fidelis, M.A. 30 other Teachers.

MANGALORE, *St. Aloysius' College*. Principal—Rev. Joseph A. B. Coelho, B.A., Ph.D. 50 other Teachers.

PALAMCOTTAH, *St. John's College*. Principal—J. Vedasiromani, B.A., B.L. 18 other Teachers.

PALAMCOTTAH, *Sarah Tucker College*. Principal—Mrs. L. O. R. Joseph, M.A., L.T. 16 other Teachers.

PALAMCOTTAH, *St. Xavier's College*. Principal—Rev. S. Arulsami, M.A. 35 other Teachers.

PALGHAT, *Government Victoria College*. Principal—K. S. U. Nair, B.A., Barrister-at-Law 50 other Teachers.

PUDUKKOTTAI, *H.H. The Raja's College*. Principal—K. Venkatarama Sarma, M.A., L.T.

SALEM, *Salem College*. Principal—A. Ramaswami Gounder, M.A., L.T. 26 other Teachers.

SIVAGANGA, *Raja Doraisingam Memorial College*. Principal—Diwan Bahadur C. Srinivasachariar, M.A.

TELLICHERRY, *Government Brennen College*. Principal—P. R. Krishnaswami Ayyangar, M.A., L.T. 15 other Teachers.

THEVARA, *Sacred Heart College*. Principal—Rev. K. J. Philip, B.A. 45 other Teachers.

TINNEVELLY, *Hindu College*. Principal—Alex. Gnanamuttu, M.A. 32 other Teachers.

TIRUPATI, *Sri Venkateswara College*. Principal—K. Rami Reddi, M.A., M.Sc., L.T. 24 other Teachers.

TRICHINOPOLY, *Holy Cross College*. Principal—Mother Sophie, M.A. 29 other Teachers.

TRICHINOPOLY, *National College*. Principal—A. Rama Ayyar, M.A. 39 other Teachers.

TRICHUR, *Carmel College*. Principal—Sr. M. Antoinette, M.A., L.T. 18 other Teachers.

TRICHUR, *St. Mary's College*. Principal—Sr. M. Patience, B.A., L.T. 16 other Teachers.

TRICHUR, *Sree Kerala Varma College*. Principal—P. Sankaran Nambiar, M.A.

TRICHUR, *St. Thomas' College*. Principal—Rev. J. Palocaren, M.A. Edin. 36 other Teachers.

VANIYAMBADI, *Islamiyah College*. Principal—D. T. Subramanyam, M.A. 14 other Teachers.

VIRUDHUNAGAR, *Senthikumara Nadar College*. Principal—Joseph Franco, M.B.E., M.A., L.T.

AFFILIATED SECOND GRADE COLLEGES

BELLARY, *Veersaiva College*. Principal—M. Chayappa, M.A., L.T. 13 other Teachers.

CALICUT, *Malabar Christian College*. Principal—J. F. Thaddaeus, B.A., L.T. 13 other Teachers.

CALICUT, *Zamorin's College*. Principal—R. Ravi Varma, M.A. Lond. 20 other Teachers.

COIMBATORE, *P.S.G. Arts College*. Principal—B. R. Krishnamurthi Naidu, M.A.

MANGALORE, *Government College*. Principal—K. I. Verghese, M.A. 12 other Teachers.

VELLORE, *Elizabeth R. Voorhees College*. Principal—S. J. Savarirayan, M.A. 23 other Teachers.

CONSTITUENT PROFESSIONAL COLLEGES

Engineering

GUINDY, *College of Engineering*. Principal—J. J. Rudra, M.A., B.Sc., Ph.D. Profs.: *Civil Eng.*—Major B. H. Marley; N. S. Krishnaswamy, B.E. *Electr. Eng.*—J. J. Rudra, M.A., Ph.D.; P. Subbarao, B.A. *Maths.*—S. A. Mani, B.A., L.T. *Mech. Eng.*—S. Paul, B.E. 36 other Assts. (Instructors, Workshop Assts.).

Law

MADRAS, *Law College*. Principal—K. Krishna Menon, M.A. Ox., LL.B. Lond., B.C.L. Vice-Principal: S. Govindarajulu, B.A., LL.B. Camb., B.L. Prof.: Other Lectrs.: B. Lakkapparai, B.A., B.L.; Hamid Ali, M.A., D.C.L.; S. V. Venugopalachari, B.A., B.L.; E. Venkatesam, B.A., M.L.; T. P. Gopalakrishnan, B.A., B.L.

Medicine

MADRAS, *Medical College*. Principal—P. V. Cheriyan, M.B.E., M.B., B.S., F.R.F.P.S. Glas., F.R.C.S., D.L.O. Profs. and Teachers: *Anaesthesia*—D. Hari Rao, F.R.C.S., D.L.O. *Anat.*—A. Anantanarayana Iyer, B.A., M.B., B.S., M.Sc. *Bact.*—Y. S. Narayana Rao, M.B., B.S., D.T.M., Dip. in Bact. London. *Biochem.*—A. S. Mannadi Nair, M.B., B.S., Ph.D. *Biol.*—K. I. Verghese, M.A., L.T. *Chem.*—P. Venkata Rao, B.A., M.B., M.Sc. *Dent. Surg.*—J. B. Chenoy, L.D.S. *Dermatol.*—Lt.-Col. J. Eapen, M.B., B.S. *Ear, Nose, and Throat*—P. V. Cherian, M.B., B.S., F.R.F.P.S. Glas., F.R.C.S., D.L.O. *Hyg.*—R. Sunrahmanyam, L.M.S., B.Sc., M.P.H. Harv. *Infec. Dis.*—Abdul Hadi, M.B., B.S. *Med. Jurisp.*—K. C. Jacob, B.A., M.B., B.S., M.D. *Med.*—Lt.-Col. C. K. Prasada Rao, M.D.; K. S. Sanjeevi, M.D.; B. H. P. Pai, M.D. *Mental Dis.*—J. Dhairiyam, M.B., B.S. *Obst., Gynaec., and Dis. of Children*—M. B. Prabhu, M.D. *Ophthalmol.*—R. E. S. Muthiah, M.B., B.S., M.S., D.O. *Orthopaedics*—N. S. Narasimha Iyer, F.R.C.S., F.R.E.S. *Pathol.*—D. Govinda Reddi, M.D. *Pharmacol.*—J. C. David, Ph.D. Edin.,

M.B., B.S. *Physics*—C. V. Ayyar, M.A., L.T. *Physiol.*—M. Abdul Basir, M.B., B.S. *Radiol.*—K. Manchunath Rai, F.R.C.S., D.M.R. Lond. *Surg.*—Major Sangam Lal. *Surg., Princ. and Pract. of*—D. Kanakasabesan, M.S., F.R.C.S. *Tuberculosis*—K. V. Rao, M.D. *Vaccin.*—C. Lakshminarayanan, M.B., B.S., B.Sc., D.P.H. Lond. 71 Assistants.

MADRAS, *Stanley Medical College* (Royapuram). Principal—P. Kutumbiah, B.A., M.D. *Anæsthesia*—M. S. Venugopal, M.B., B.S. *Bacteriol.*—P. S. Natesan, M.B., B.S. *Biol.*—K. I. Verghese, M.A., L.T. *Chem.*—S. Lakshminarayanan, M.A., L.T. *Dermatol.*—S. Rajagopalan, L.M.S. *Ear, Nose and Throat*—M. Narayana Prabhu, M.B., B.S., M.S. *Hygiene*—K. K. Shenai, M.B., B.S., D.P.H., D.T.M. & H. *Medicine*—P. Kutumbiah, B.A., M.D.; P. Arunachalam, M.D., D.M.R. *Obstetrics and Gynæcol.*—R. K. K. Tampan, B.A., M.B., B.S., D.G.O., F.R.C.S.Ed. *Pathol.*—..... *Pharmacol.*—J. C. David, M.B., B.S., Ph.D. *Surg.*—Capt. M. G. Kini, M.B., M.Ch., F.R.C.S.Ed.; C. Raghavachari, M.S., F.R.C.S.Ed. 36 Assistants.

Teaching

MADRAS, *Lady Willingdon Training College*. Principal—M. Lakshmi Ammal, M.A., L.T. Other Profs.: Miss V. Koman, M.A.; Miss E. Lazarus, B.A., L.T.; Miss M. Varughese, M.A. Lond.; Mrs. Hilda Samuel Raj, M.A., L.T.; Miss E. T. Rajeswari, M.A., L.T. 4 other Teachers.

MADRAS, *St. Christopher's Training College*. Principal—Miss K. N. Brockway, M.A. Other Profs.: Mrs. H. S. Charles, B.A., L.T.; Miss E. M. Stokes, M.Sc. Manc.; Miss Ellen J. James, B.A., L.T., M.Sc. Lond.; Miss D. M. Pearson, M.A.; Miss M. Cornelius, M.A., D.Ed. Mich. 5 other Teachers.

MADRAS, *Meston Training College*. Principal—Rev. T. R. Foulger, M.A. Other Profs.: D. T. Chiranjivi, M.A., B.Ed.; M. D. Devadason, B.A., B.Sc., L.T.; R. J. Victor, M.A., L.T.; K. Jacob, M.A., L.T. 5 Assts.

SAIDAPET, *Teachers' College*. Principal—T. V. Apparasundara Mudaliar, M.A., L.T., M.Ed. Other Profs.: K. R. Appala Acharya, M.A., L.T.; T. M. Margasagayam Chettiar, B.A., B.L., L.T.; S. Palaniswamy, M.A., L.T.; Miss C. Alexander, B.A., L.T., Dip. Ed.; S. Mahadeva Ayyar, M.A., L.T. 10 Assistants.

Veterinary

MADRAS, *Madras Veterinary College*. (B.V.Sc.) Principal—G. R. Viswanathan. *Anat.*—H. N. Chelvaayyengar. *Hygiene*—..... *Medicine*—Principal. *Parasitol.*—M. Anantanarayanarao. *Pathology and Bacteriology*—E. O. Longley, B.Sc. Lond. *Physiol.*—M. A. Rangaswamiyyar, B.A. *Pharmacol.*—M. Sundaranathan. *Surg.*—K. S. Nayar. 10 Asst. Lecturers.

AFFILIATED PROFESSIONAL COLLEGES

Agriculture

COIMBATORE, *Agricultural College*. Principal—M. C. Cherian, B.A., B.Sc., D.I.C. *Agric.*—R. N. K. Sundaram, C.D.A. *Botany*—S. N. Chandrasekhara Iyer, M.A. *Chem.*—H. Shivarao, B.Sc. *Engin.*—B. M. L. Mudaliyar, B.E.; N. Sankaranarayan, B.E. *Hygiene*—Francis Joseph. *Biol.*—M. C. Cheriyan, B.A., B.Sc., D.I.C. 31 Assistants.

Engineering

COIMBATORE, *Arthur Hope College of Technology*. Principal—Sri A. Viswanath, B.Sc., M.Sc. Lond. 11 Assistants.

Medicine

VELLORE, *Missionary Medical College for Women*. Principal Miss H. M. Lazarus, B.A., M.B., B.S., F.R.C.S.Ed., F.I.C.S. *Anæsthesia*—Olga Fienbery, M.D. Zurich. *Anat.*—D. L. Graham, M.D., B.Ch., B.A.O., L.M. *Bacteriol.*—J. T. Cornelius, M.A., M.D., M.P.H., Ph.D. *Biol.*—Mrs. P. Chakravarthi, M.A. *Chem.*—Miss M. Oommen, M.A., Ph.D. Lond. *Ear, Nose and Throat*—Mrs. DeValois, B.A., M.D., F.R.C.S. *Medicine*—R. G. Cochrane, M.D., Ch.B., F.R.C.P., D.T.M. & H. *Medical Jurisprudence*—Major P. S. Durairaj, M.B., B.S. *Obstetrics and Gynæcol.*—Carol E. Jameson, B.A., M.D., F.A.C.S., F.R.C.S. *Ophthalmol.*—D. Venkateswarulu, M.B., B.S., D.O. *Pathol.*—Edward W. Gault, B.Sc., M.D., M.S., F.R.A.C.S. *Pharmacol.*—Thomas Draper, F.R.C.P. *Physiol.*—D. M. Jefferson, B.A., M.D., M.Sc. *Physics*—K. G. George, B.A., M.Sc. *Radiol.*—Ida B. S. Scudder, B.A., M.D., D.M.R.E. *Surgery*—John S. Carman, A.B., M.D., F.R.C.S.; Norman S. Macpherson, F.R.C.S. 27 Assistants

Teaching

MANGALORE, *St. Ann's Training College*. Principal—Sister M. Clarissa, B.A., L.T. Other Profs.—Mother M. Gertrude, B.A., L.T.; Sr. M. Claudia, B.A.; Sr. M. Pierrina, M.A.; B. Rao, B.A. 3 other Teachers.

TRICHUR, *Govt. Training College*. Principal—V. Ramanathan, M.A., L.T. Other Profs.—T. Paul Verghese, B.A., Dip.Ed. Leeds; T. S. Somanatha Iyer, B.A., L.T.; T. C. Balakrishna Menon, M.A., L.T.; T. C. Narayana Menon, M.A., B.T.; C. M. Paul, M.A., B.T.; K. Rama Varma Raja, B.A., M.Ed. 6 other Teachers.

APPROVED INSTITUTIONS

Oriental Learning

Two Institutions in Madras and 23 in the Mofussil are recognized as qualified to provide instruction for the Oriental Titles.

GENERAL INFORMATION

This Univ., founded in 1857, was reorganized in 1923 as a Teaching and Residential Univ., and it continues to exercise control over the quality of the teaching given by its constituent and affiliated colleges. The Vice-Chancellor is a whole-time salaried officer. The authorities of the Univ. include a Senate, Syndicate, Academic Council, Faculties, and Boards of Studies.

Laboratories for research in Zool., Bot. and Biochem. are provided. There are also Depts. of study and research in the following subjects: Anthropol., Indian Hist. and Archæol., Indian Econ., Indian Philos., Maths., Statistics, Geog., Politics and Public Administration, Sanskrit, Tamil, Telugu, Kannada, Malayalam, Arabic, Persian and Urdu, and Indian Music.

FACULTIES. Arts, Science, Law, Medicine, Engineering, Technology, Teaching, Agriculture, Vet. Science, Commerce, Oriental Learning, and Fine Arts.

ADMISSION. The minimum qualification for entrance to Univ. other than Professional Courses is the Matricn. examn. and such other examn. held under the auspices of a Univ. or Public Body as are recognized by the Univ. Also the certificate issued under the S.S.L.C. Scheme in accordance with rules framed by the Univ.

DEGREES. B.A., B.A. (Hons.), M.A., M.Litt., Ph.D., D.Litt.; B.L., M.L., LL.D.; B.Sc., B.Sc. (Tech.), B.Sc. (Home Science), B.Sc. (Nursing), B.Sc.

(Hons.), M.Sc., Ph.D., D.Sc.; B.E.; B.Com; B.Sc. Ag.); B V.Sc; M.B., B.S., M.D., M.S., B.S.Sc. (San. Sci.), B.Sc. (Pharmacy); B.O.L., M.O.L.; L.T., B.Ed., M.Ed.; B.Mus.

DIPLOMAS. Anthropology, Geography, Modern European Languages (French and German), Librarianship, Journalism, Gynaecology and Obstetrics (D.G.O.), Venereology, Dermatology, Ophthalmology, Oto-Rhino-Laryngology, Radiology, Orthopaedics, Tuberculosis, 1 yr.; Economics, Politics and Public Administration, Indian Music, 2 yrs.

ORIENTAL TITLES. Siromani, Vidvan, Afzal-ul-Ulama, Munshi-i-Fazil, Abidi-i-Fazil, Tabib-i-Kamil, Afzal-ul-Attibba, Malpan and Soppar, Sangita Siromani.

RECOGNITION of examns. of other Univs. is not granted in general terms. The Syndicate deals with each application on its merits.

FEES for Univ. examns. range from Rs. 12 to Rs. 200.

Fees levied by Colls. vary from Rs. 42 to Rs. 64 per term, according to courses.

Fees levied by the Univ. for Diploma Courses vary from Rs. 15 to Rs. 75.

RESIDENCE, ETC. Minimum cost of board and lodging for students living in European style, Rs. 100 p.m.; Indian, Rs. 60 p.m. A Students' Club, started under the auspices of the Madras Govt. in 1919, provides inexpensive meals and facilities for games and social intercourse irrespective of caste or creed.

UNIVERSITY STUDENTS' UNION. Inaugurated in November 1932 and located in a building in Madras for the benefit of students in Constituent Colleges—giving facilities for social intercourse and games—managed by a governing body consisting of the Principals of Constituent Colleges.

RESEARCH STUDENTSHIPS, tenable 2 yrs., value Rs. 60 p.m. **FELLOWSHIPS**, Rs. 125 p.m.

PUBLICATIONS. *Calendar* (July)—Vol. I, Part I, Administration, Statutes and Ordinances, Constituent and Affid. Colls., Endowments; Vol. I, Part II, Ordinances and Regns., Syllabuses; Vol. II, Graduates; *Annual Report*; *Minutes*; *Madras Univ. Magazine*; *Annals of Oriental Research*; *Tamil Lexicon* (VI vols. and III Addendum Volumes published).

THE YEAR 1946-47

NEW APPOINTMENTS. Lecturers in Anthropology, Statistics and Kannada, and Reader in Zoology.

RETIREMENT. Dr. E. Asirvatham (Politics).

CHANGES IN REGULATIONS. Regns. framed for M.Sc. by examination, Diploma and Certificate Courses in Anthropology, Diploma Courses in Journalism and Tuberculosis. Regns. for Intermediate and B.V.Sc. revised.

STUDENTS. Arts and Science, 23,827. Professional, 3227.

DEGREES. B.A., 1669; B.A. (War), 109; B.A. (Hons.), 269; M.A., 79; M.Litt., 7; D.Litt., 2; Ph.D., 5; B.Sc., 819; B.Sc. (Hons.), 85; M.Sc., 18; B.L., 248; M.L., 1; B.T., 391; M.Ed., 21; B.E., 93; B.Sc. (Ag.), 77; M.B., B.S., 196; M.D., 8; M.S., 5; B.Sc. (Phar.), 8; B.Sc. (Tech.), 27; B.V.Sc., 13; B.Com., 156; B.O.L., 23; M.O.L., 1.

TITLES. Oriental Learning—245.

DIPLOMAS. Midwifery (D.G.O.), 6; Ophthalmology (D.O.), 6; Oto-Rhino-Laryngology (D.L.O.), 4; French, 2; German, 4; Geography, 2; Indian Music, 8; Politics, 2; Librarianship, 5; Statistics, 12.

UNIVERSITY OF MYSORE

Founded 1916

Telegrams—"Unireg," Mysore.

CHANCELLOR—HIS HIGHNESS MAHARAJA SRI JAYA CHAMARAJA
WADIYAR BAHADUR OF MYSORE, G.C.S.I., G.C.B.

VICE-CHANCELLOR—ADEEB-UL-MULK M. SULTAN MOHIYUDDIN, M.A.,
LL.B., M.Ed.

REGISTRAR—D. S. GORDON, M.A., LL.B., B.T., A.M., Dip.Edn.

LIBRARIAN—G. HANUMANTHA RAO, M.A.

UNIVERSITY COLLEGES

CENTRAL COLLEGE, BANGALORE (CC).*

MAHARAJA'S COLLEGE, MYSORE (MC).

MAHARANI'S WOMEN'S COLLEGE, BANGALORE (MWC).

ENGINEERING COLLEGE, BANGALORE (EC).

MEDICAL COLLEGE, MYSORE (Med.C.).

TEACHING COLLEGE, MYSORE (TC).

MEDICAL SCHOOL, BANGALORE (Med.S.).

INTERMEDIATE COLLEGES

INTERMEDIATE COLLEGE, MYSORE (ICM).

INTERMEDIATE COLLEGE, BANGALORE (ICB).

INTERMEDIATE COLLEGE, TUMKUR (ICT).

INTERMEDIATE COLLEGE, SHIMOGA (ICS).

INTERMEDIATE COLLEGE, DAVANGERE (ICD).

INTERMEDIATE COLLEGE, HASSAN (ICH).

MAHARANI'S INTERMEDIATE COLLEGE, MYSORE (MICM).

* (CC), etc. : symbols for reference to the Colleges.

TEACHING STAFF

Botany

Narayana Rao, L., M.Sc., Ph.D.
Lond., F.R.M.S. (CC).

Iyengar, C. V. Kr., D.Sc.
Asst. Prof. (ICM).

Srinath, K. V., M.Sc., Ph.D.
Lond. Asst. Prof. (CC).

22 Lectrs.

Chemistry

..... Principal and Prof. (CC).

Manjunath, B. L., M.Sc. Lond.,
D.Phil. Ox.

Prof. (on Foreign Service)
(CC).

Jois, H. S., M.Sc. Prof. (CC).

Venkatanarasimhachar, N., M.Sc.,
Asst. Prof. (ICM).

Iyengar, H. R., M.Sc.

Asst. Prof. (CC).

Siddappa, S., M.Sc.

Asst. Prof. (CC).

Narayan, G., M.Sc.

Asst. Prof. (CC).

43 Lectrs.

Commerce

Mandre, S. R., M.A., B.Com.

Prof. (CC).

Subba Rao, B. R., M.A., Dip.Com.

Temp. Asst. Prof. (CC).

5 Lectrs.

Education

Siddalingaiya, M., M.A., B.T.,
Ph.D., Dip.Educn.

Principal and Prof. (TC).

Rangachar, C., B.Sc., Ph.D. Leeds

Asst. Prof. (MC).

Anantuan, K. R. K., M.A. Glas.,
M.Ed. Leeds

Asst. Prof. (MC).

1 Lectr.

Engineering, Civil

Gopalakrishnan, C., B.Sc., B.E.

Dean, Fac. of Engin. and
Technol., and Prof.

(EC).

Naiyappa, D., B.Sc., B.E.

Asst. Prof. (EC).

Subba Rao, D., B.E.

Asst. Prof. (EC).

7 Lectrs.

Engineering, Electrical

Das, J. P., B.A., M.Sc. Prof. (EC).

Raju, W. J. P., B.A., B.E.

Asst. Prof. (EC).

4 Lectrs.

Engineering, Mechanical

Ramaswami, E. K., B.Sc. Lond.,
M.A.

Principal and Prof. (EC).

..... Asst. Prof. (EC).

Patankar, B. V., B.E.

Asst. Prof. (EC).

Gopalakrishna, B. P., B.Sc., B.E.

Asst. Prof. (EC).

5 Lectrs., 1 Drawing Instr.

English

Eagleton, W. G., M.A. Camb.

Dean, Fac. of Arts and
Prof. (MC).

Ranganna, S. V., M.A. Prof. (MC).

Anantharamiah, K., M.A.

Prof. (CC).

Walton, J. K., M.A. Prof. (CC).

Asst. Profs.

Krishnaswami, Mrs. Sundari, M.A.

Lond. Supt. (MICM).

Moorthi Rao, A. N., M.A. (MC).

..... (MWC).

Nagesha Rao, N., M.A. (CC).

Thiagarajan, V. A., M.A. (CC).

Krishnaswamy, C., M.A. (ICS).

Singh, M. E. B., B.A.

Narasimhaiya, C.D., B.A.

38 Lectrs.

Geology and Geography

Rao, L. R., M.A., F.G.S., F.N.I.

Prof. (CC).

Naidu, P. R. J., M.Sc.

Asst. Prof. (ICM).

Mudaliar, T. S. S. Asst. Prof. (CC).

..... Asst. Prof. (CC).

13 Lectrs.

History, Economics and Politics

D'Souza, V. L., B.A., B.Com.

Lond. (Econ.) Prof. (MC).

Sastri, K. N. V., M.A., Ph.D.

Lond., F.R.Hist.S. (Hist.)

Actg. Prof. (MC).

Asst. Profs.

Gopal, M. H., M.A., Ph.D. Lond.

(MC).

Krishna Rao, M. V., M.A., B.T.

(MC).

Jayalakshammanni, Miss M., M.A.

(MWC).

28 Lectrs.

Kannada

- Puttappa, K. V., M.A.
 Actg. Prof. (MC), Asst.
 Prof. (CC).
 Narasimhachar, D. L., M.A.
 Actg Asst. Prof. (CC).
 Sitaramaiya, V., M.A.
 Asst. Prof. (MC).
 Sreekantaiya, T. N., M.A.
 Asst. Prof. (ICB).
 13 Lectrs.

Mathematics and Statistics

- Prof. (MC).
 Madhava Rao, B. S., D.Sc.,
 F.R.A.S. Prof. (CC).
 Iyengar, C. N. S., D.Sc. Prof. (CC).
 Nagappa, P. H., M.A., M.Sc.
 Lond. Prof. (EC).
 Asst. Profs.
 Iyengar, M. N., M.A. (MC).
 Iyer, M. V., M.A., L.T. Supt. (ICD).
 Iyengar, K. V., D.Sc. (CC).
 Noronha, F. J., B.A. Lond.
 (CC).
 29 Lectrs.

Philos., Psychol. and Logic

- Purushottam, T. A., M.A., Ph.D.
 (Philos.) Prof. (MC).
 Gopalaswami, M. V., B.A., B.Sc.,
 Ph.D. Lond. (Psychol. and
 Logic)
 Principal and Prof. (MC).
 Thirumalai, S., M.A. (Logic)
 Asst. Prof. and Supt.
 (ICS).
 Nikam, N. R. A., M.A. Camb.
 (Philos.) Asst. Prof. (MWC).
 Raghavendrachar, H. N., M.A.
 (Philos.)
 Temp. Asst. Prof. (MC).
 Yamunachary, M., M.A.
 Asst. Prof.
 14 Lectrs.

Physics

- Ramachandra Rao, S., M.A.,
 Ph.D., D.Sc. Lond., F.Inst.P.
 Prof. (CC).

- Bondade, S. B., B.A., LL.B., B.Sc.
 Lond. Prof. (CC).
 Asst. Profs.
 Sundarachar, C. K., M.A. (CC)
 Parameswaran, N., M.A. (ICM).
 Sibaiya, L., D.Sc. Supt. (ICT).
 Subbaraya, T. S., D.Sc. (CC).
 Ramaswamy, S., B.Sc., Ph.D.
 Lond., F.Inst.P. (CC).
 Ramanathan, S. (CC).
 33 Lectrs.

Sanskrit

- [Prof. (MC).
 Lakshminarasimnaiya, M., M.A.
 Iyengar, V. T. Th., M.A.
 Actg. Asst. Prof. (MC).
 13 Lectrs.

Tamil and Telugu

- 7 Lectrs. (4 for Tamil, 3 for
 Telugu).
Urdu, Persian, Arabic and Hindi
 Sarvari, A. Q., M.A., LL.B.
 (Urdu) Prof. (MC).
 Khan, K. A., M.A., Ph.D. Lond.
 (Persian) Asst. Prof. (MC).
 15 Lectrs.

Zoology

- Seshachar, B. R., D.Sc.
 Prof. (CC).
 Asst. Profs.
 Ramaswami, L. S., D.Sc. (ICM).
 Narayanaswamy Iyer, M. M., B.A.
 (Temp.) (ICT).
 18 Lectrs.

Medicine

- Krishnan, Rao Bahadur, B. T.,
 B.A., M.B., B.S., M.Sc.
 (Physiol.)
 Prof. and Principal
 (Med.C.).
 Sastravaidyapravine, Miss M. C.
 A., L.M.
 Principal (Med.S.).
 Sastravaidyapravina, T. S., L.M.S.
 Dean of Fac.

Nagendran, R., B.Sc., M.B., B.S., F.R.C.S. (Surgery) Pt.-time Prof. (Med.C.).	Asst. Profs.
Authikesavalu, M., M.S., M.B., B.S., F.R.C.S. Can. Pt.-time Prof (Med C.).	Mascarenhas, F P, M.B., B.S (Surg) (Med.C.)
Appaji, Y., M.Sc Lond., B.A, M.B., B.S. (Anatomy) Prof (Med.C.).	Hiriyannaiya, S., B.A., M.B., B.S (Physiol.) (Med C.)
Ramakrishna Rao, B. K., B.Sc., M B, B.S. Pt.-time (Medicine) Prof. (Med.C.).	Rao, T. P S, M.B, B.S. (Med) (Med.C.)
..... (Cln Med.) Prof.	Appiah, Miss K. A., M.B., B.S. (Midwif.) (Med C.)
Naidu, V R, M B., B.S., M.S. (Pathol.) Prof (Med.C.)	..... (Ophthalmol.) (Med C.).
Captain, Miss K. S, M D, B.S. Lond. and Bom., L.M. Dub. Pt.-time (Midwif.) Prof. (Med.C.).	Raghunatha Rao, G. S., B.Sc., M.B., B.S., D.Phil. (Pharma- col. and Nat. Med.) (Med.C.)
Sundana Rao, M. B., M.B., B.S., D.O.M.S. Lond. Pt.-time (Ophthal.) Prof. (Med.C.).	Lecturers—Anæsth. 1, Anat. 2, Dental Surg. 2, Hyg. 1, In- fect. Dis. 2, Malariol. 1, Mental Dis. 2, Midwif. 1, Otorhinolaryn. 2, Pathol. 1, Physiol. 1, Tuberc. 2, Vaccin. 2, Venereal 1, X-ray and Radium Therapy 1.
..... Pt.-time (Forensic Med.) Prof. (Med.C.).	Demrs.—Anat. 5, Biochem. 1, Biol. 1, Chem. 1, Med. 1, Midwif. 1, Hyg. 1, Ophthal- mol. 1, Pathol. 1, Pharmacol. 1, Physiol. 4, Surg. 1.

GENERAL INFORMATION

The University of Mysore was the first University to be founded in the Indian States. The two State Colleges which had long been affiliated to the Madras Univ. formed the nucleus of the new University of Mysore. The establishment of the Univ. received the sanction of His Highness the Maharaja of Mysore on July 22, 1916. A regulation amending and consolidating the provisions of the Mysore University Regulation V of 1916, as amended from time to time, received the assent of His Highness the Maharaja on January 6, 1933, and came into force on July 1, 1933.

The University aims at the unitary type, but there are two Univ. Centres, Mysore and Bangalore, one with two and the other with three constituent Colleges, including a Medical College and an Engineering College.

The University is empowered to affiliate Colleges under conditions prescribed in the Statutes and Ordinances.

There are also eight Intermediate Colleges, six for men at Mysore, Bangalore, Tumkur, Shimoga, Davangere and Hassan; two for women, one at Bangalore and the other at Mysore, and a Medical School at Bangalore. There are six affiliated Colleges, three at Bangalore and three at Mysore. The School of Engineering is under the direct control of the Vice-Chancellor.

LIBRARIES. Univ., 45,576 vols.; Oriental, 16,473 vols. and 10,905 MSS.; Colleges, each Constituent and Intermediate Coll. has its own library.

FACULTIES. Arts, Science, Medicine, Engineering and Technology.

TERMS: June to Oct, Nov. to March.

ADMISSION. Students who have passed the Mysore S.S.L.C. examn. satisfying the differential minima rules, and those who have passed the Matriculation examn. of an Indian Univ. or other examn. recognized by the Univ. Council as equivalent thereto and satisfy the Univ. Council regarding their fitness for admission, are eligible for admission to the Intermediate course. Admission to B.A. or B.Sc. courses is granted only to those who have passed the Intermediate Examn. of this Univ. or of any other Indian Univ., subject in the latter case to the approval of the Univ. Council where specific recognition has not been agreed. Admission to the B.T. course is granted to those who have taken the Bachelor's Degree in Arts, Commerce or Science in this or any other Indian Univ. Admission to the B.E. course is granted only to those who have passed the Intermediate Examn. in Science of this Univ. or an examn. of this or any other Univ. accepted by the Univ. Council as equivalent thereto, or to graduates in Arts or Science who have passed with Physics, Chem. and Maths. as optional subjects, or graduates with Honours having Maths. and Physics as optional subjects. Admission to the M.B., B.S. course is given to those who have passed the Pre-Medical Examn. of the Univ.; admission to the Pre-Medical course is granted only to those who have passed the Intermediate Examn. in Science of this Univ. with not fewer than two of the following subjects: Physics, Chem., Bot. and Zool., or to graduates of this Univ. who have passed with one or more of the above subjects, or to those possessing equivalent qualifications of other Univs. accepted by the Council. Provision has been made for the admission to the M.B., B.S. course of L.M.P. Diploma holders. They will be eligible for admission to the Final Examn. in 3½ yrs. after admission. L.M.P. Diploma course open to candidates for the Mysore S.S.L.C. examns. who have been declared eligible for college courses of study, or those who have passed any other examn. accepted by the Univ. Council as equivalent thereto.

DEGREE COURSES. 2 yrs.—B.A. or B.Sc.; 3 yrs.—B.A. or B.Sc. (Hons.); 4 yrs.—B.E. (successful candidates are eligible to take the degree after a year's practical course in a recognized works or firm); 5½ yrs.—M.B., B.S.; graduate course for Master's Degree—1 yr. for Hons. grads. and 3 yrs. for Pass grads., for B.T. 1 yr. after the B.A. or B.Sc.. B.Com.—4 yrs. after S.S.L.C. Examn., 2 yrs. after Interim. Examn. B.Sc. Agriculture—3 yrs. after Interim. Examn. B.Sc. Textiles—3 yrs. after Interim. Examn. The D.Litt., D.Sc., and LL.D. are Honorary.

DIPLOMA COURSE. L.M.P., 4 yrs. after High School.

INSPECTION OF INTERMED. COLLS. not forming parts of Constituent Colls. is made by Profs. deputed by the Council.

ENDOWMENTS. The Univ. has received a large number of endowments, ranging from Rs. 300 to Rs. 1,00,000. The total amount at present is approx. Rs. 7,00,000.

FELLOWSHIPS. Awarded to persons who have given evidence of capacity to do research work; junior members of the staff of the Univ. are also eligible for selection. The total number of Fellowships shall not ordinarily exceed three at any time; value, Rs. 100, which may be increased to an amount not exceeding Rs. 150 if necessary.

RESIDENCE. Univ. Hostels at Mysore and Bangalore. The average hostel exs. for 9 mos. is about Rs. 144. Residences of students not living in hostels or

with their guardians are inspected by members of Students' Residence Committees.

A STUDENTS' INFORMATION BUREAU is maintained.

PUBLICATION AND EXTENSION WORK. An Extension Lectures Committee arranges an annual programme. During each year a number of lectures are delivered in different parts of the State. Under the auspices of the University Teachers' Assocn. Extension Lecture camps are arranged each year in the interior of the State and the lectures are published in Kannada in the *Extension Lectures Handbook* series, for sale at cheap rates. These publications are in great demand.

The Univ. encourages the publication of original works, particularly in Kannada. The Kannada Publication Committee arranges for the publication of monographs in Kannada in such subjects as Science, History, Geog., Philos., Literature, Political Econ., Education and Fine Arts, so that teachers and others who know Kannada only may be able to continue their studies in the various branches of modern learning.

The *University Journal*, which was suspended, has been revived since 1940-41 and is issued in four parts (Arts, Science, Engineering and Technology, and Medicine).

In addition to the *Abstract of Studies* the Univ. has arrangements for issuing on behalf of each teaching dept. a *bulletin* embodying the results of research or investigation carried on by its members.

WOMEN'S EDUCATION. Mysore women students in the Arts and Science Colleges are now charged half the rate of fees for tuition. Mysore women students in the Medical College and the Medical School are exempt from payment of tuition fees until the end of 1949-50.

THE YEAR 1946-47

EXTRA-MURAL WORK. Extension lectures delivered at different parts of the State.

STUDENTS. Full-time : 7631.

DEGREES. B.A. (Pass), 200 ; B.A. (Hons.), 44 ; M.A., 16 ; B.Sc. (Pass), 403 ; B.Sc. (Hons.), 61 ; M.Sc., 40 ; D.Sc., 1 ; B.T., 37.

NAGPUR UNIVERSITY

Founded 1923

Address—Nagpur, Central Provinces and Berar.

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VICE-CHANCELLOR—PANDIT KUNJILAL DUBE, B.A., LL.B.

TREASURER—S. K. WANKHEDE, B.A.

REGISTRAR—U. MISRA, M.A., LL.B.

ASSISTANT REGISTRAR—K. R. PANDYA, M.A. Alld.

ADDITIONAL ASSISTANT REGISTRARS—Y. M. MULAY, M.A., D.L. Lond., F.L.A. (on deputation to Imperial Library, Calcutta). G. S. SHUKLA, M.A., LL.B. (Officiating).

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OFFICER-IN-CHARGE OF PHYSICAL EDUCATION—M. P. MAJOR.

SUPERINTENDENT, UNIVERSITY HOSTEL—S. K. MISHRA, M.Sc. (Agr.) (Offg.); R. C. DAVE, B.A., LL.B. (Officer on Special Duty).

UNIVERSITY COLLEGES

LAW COLLEGE, NAGPUR. Principal—Y. V. Jakatdar, B.A. Alld. and Ox. Lectrs.:—M. B. Niyogi, B.A., LL.B.; W. W. Bhole, B.A., LL.B.; Y. S. Tambe, B.A., LL.B.; B. D. Kathalay, B.A., LL.M.; R. F. Rustamji, B.A., LL.B.; S. P. Kotwal, B.A., LL.B.; P. Lobo, B.A., LL.B.

UNIVERSITY TRAINING COLLEGE. Principal—E. A. Pires, M.A. (Ed.) Lond., Ph.D. Lectrs.:—S. N. Tamhane, M.A., B.T.; K. Sabharatnam, M.A., B.T., LL.B.; R. V. Dakshindas, B.Sc., B.T., LL.B.; Mrs. P. V. Wanmali, M.A., B.T.; Ramlal Singh, M.A., B.T.; G. A. Puranik, B.A.; V. G. Bhavé, M.A., B.T. Phys. Training Instr.—G. N. Patil.

LAXMINARAYAN INSTITUTE OF TECHNOLOGY. Director—R. B. Forster, Ph.D. Berlin, D.Sc. N.U.I., F.R.I.C. Profs.: S. A. Saletore, B.Sc., Ph.D. Liv. Reader: P. S. Mene, B.Sc., Ph.D. Lond., D.I.C. Lectrs.: S. N. Behere, M.Sc., B.T.; M. S. Telang, M.Sc. Bom.; V. V. Sardesai, B.E. (Mech. and Elect.) Bom.; S. C. Seth, M.A.; Ch. Venkatanarayan Rao, B.Sc., M.Sc. (Tech.); G. Narsimhan, B.Sc. (Tech.); V. D. Gupta, B.Sc. (Eng.); K. S. Natarajan, M.Sc. (Tech.); U. Waradpande, B.Sc. (Tech.).

OTHER COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

NAGPUR MAHAVIDYALAYA, NAGPUR (NM).*

HISLOP COLLEGE, NAGPUR (H).

COLLEGE OF SCIENCE, NAGPUR (Sc).
 VIDARBHA MAHAVIDYALAYA, AMRAOTI (VM)
 COLLEGE OF AGRICULTURE, NAGPUR (A).
 S.B. CITY COLLEGE, NAGPUR (C).
 CENTRAL COLLEGE FOR WOMEN, NAGPUR (W).
 NATIONAL COLLEGE, NAGPUR (N).
 GOVERNMENT ENGINEERING SCHOOL, NAGPUR (E).
 SITABAI ARTS COLLEGE, AKOLA (SA).
 G.S. COLLEGE OF ECONOMICS AND COMMERCE, NAGPUR (CN).
 G.S. COLLEGE OF COMMERCE, WARDHA (CW).
 RAJASTHAN ARYAN COLLEGE, BASIM (R).
 SHREE SHIVAJI COLLEGE, AMRAOTI (Sh).
 G.S. COLLEGE OF SCIENCE, KHAMGAON (GSc.).
 GOVERNMENT DIPLOMA TRAINING INSTITUTE FOR MEN, AMRAOTI (TM).
 GOVERNMENT DIPLOMA TRAINING INSTITUTE FOR WOMEN, AMRAOTI (TW).

TEACHING STAFF

Agriculture

Mishra, S. K., M.Sc.(Agr.) (A).
 Lal, Dhanna, M.Sc.(Agr.) (A).
 Joglekar, V. M., M.A. Econ. (A).
 Deshpande, V. D., B.Sc.(Agr.) (A).
 Patil, S. T., B.Ag. (A).
 Deshpande, T. L., B.Sc.(Agr.) (A).
 Jyotishi, R. P., B.Sc.(Agr.) (A).
 Kakde, J. R., B.Sc.(Agr.) (A).
 Agarwal, L. N., B.Sc.(Agr.) (A).
 Gokhale, V. V., B.Sc.(Agr.) (A).
 Rasal, V. B., B.Sc.(Agr.) (A).
 Shirpurkar, N. G., B.Sc.(Agr.) (A).
 Iyer, K. S. S., B.E. Mys. (A).
 Dighe, S. K. (A).

Agricultural Chemistry

Shrivastava, R. C., B.Sc.(Tech.)
 Manc., B.Sc. (A).
 Mishra, R. N., M.Sc. Alld. (A).
 Bapat, G. C., M.Sc. (A).
 Ballal, D. K., M.Sc. (A).
 Padole, G. C., M.Sc. (A).

Arabic and Persian

Hussain, M., M.A. Alig. and Nag.,
 L.L.B. (VM).

Abidi, S. A. H. H., M.A., L.T.
 Alig. (NM).
 Rafiuddin, S., M.A., B Th. Alig.
 (NM).
 Saksena, S. B. I., M.A. Agra and
 Nag. (C).
 Naimuddin, S., M.A. (VM).
 Qeyamuddin, Q. Mohd., M.A.,
 B.A. (H).

Biochemistry

Nath, M. C., D.Sc. Prof.
 Chakravarti, C. II. Lectr.

Botany and Plant Pathology

Bhatia, G. S., M.Sc. Panj., Ph.D.
 Lond., F.I.S., F.R.M.S. (A).
 Vaidya, S. B., B.Ag. (A).
 Pimplikar, E. D., B.Ag. (A).
 Trivedi, N. B., B.Sc.(Agr.) (A).
 Tatwavadi, G. R., M.Sc.(Agr.)
 (A).
 Gupta, R. L., Ph.D., B.Ag. (A).
 Bhatt, R. S., M.Sc., Ph.D. (A).
 Asthana, R. P., M.Sc.(Agr.) Alld.,
 Ph.D., D.I.C. (A).
 Narkey, R. A., M.Sc. (A).
 Varadpande, K. V., M.Sc. (VM).
 Nirula, R. L., B.Sc., Ph.D. Lond.,
 D.I.C. (Sc).

Billimoria, Miss J. J., M.Sc. (Sc).	Audolia, B. S., M.A. Agra, (Sc).
Mirashi, M. V., M.Sc. (Sc).	M.A. (Com.) Calc., B.Com. (CW).
Dnyansagar, V. R., M.Sc. (Sc).	Patwardhan, P. J., B.Com. Bom. (CW).
Verma, N. C., M.Sc. (Sc).	Shah, M. M., M.A., Ph.D. Bom. (CW).
Agnihotri, R. C., M.Sc. Ben. (Sc).	Baldia, P. L., B.Com., M.A. Agra (CW).
Munshi, K. M., M.Sc. (GSc.).	Bang, T. K., M.A., LL.B. (CW).
Hazarnavis, Mrs L. S., M.Sc. (Sc).	Narayan, S., B.Com., M.A. Agra (CW).
Tamhane, S. N., M.Sc. (Sc).	Chorghade, V. K., M.A. Agra, B.T. (CW).
Verma, J. K., M.Sc. (Sc).	Nag, D. S., B.Com., M.A. Agra (CW).
Bede, E. M., M.Sc. (H).	Acharya, P. B., M.A. Ben. (CW).

Chemistry

Krishnamurthy, K., D.Sc. Lond. (Sc).	Khare, H. K., M.Com. Alld. (CW).
Paranjpe, D. R., M.Sc. (Sc).	Tokhi, M. R., M.A. Econ., B. Com., LL B. Luck. (CN).
Chakravarti, D. N., D.Sc. Alld. (Sc).	Shrivastava, P. C., M.A., B.T. Ben. (CN).
Kappanna, A. N., D.Sc. Dacca (Sc).	Moghe, S. G., B.A., B.Com. (CN).
Sakhare, V. S., Ph.D. Madr., M.Sc. (Sc).	Jain, V. S., M.Com. (CN).
Karbelkar, N. V., M.Sc. (Sc).	Padhye, M. D., M.A., B.Com. (CN).
Asolkar, G. V., M.Sc. (Sc).	Chanduskar, V. U., M.A., B.Com. (CW).
Tiwari, R. P., M.Sc. (Sc).	Deshmukh, N. C., M.Com. (Sh).
Joshi, K. M., B.Sc. (Sc).	Khanolkar, A. L., M.Com. (Sh).
Warnadpande, B. N., M.Sc. (Sc).	Dave, R. S., M.Com. (Sh).
Deogan, A. S., M.Sc. (Sc).	
Arya, I. D., M.Sc. (Sc).	<i>Economics</i>
Sharma, D. D., B.Sc. (Sc).	Raghaviah, W. B., M.A. Madr., Ph.D. Edin. (H).
Dahake, T. L., M.Sc. (Sc).	Parmar, S. L., M.A. (Econ.) Alld. (H).
D'Souza, A., M.Sc. (Sc).	Iyengar, Miss S., B.A., L.T. Madr., M.A. Madr. and Alld. (W).
Kale, V. D., B.Sc. Alld. (H).	Menon, Miss K., B.A. Annam., L.T. Madr. (W).
Karmalkar, B. S., M.Sc. (H).	Moghe, S. G., B.A., B.Com. (CN).
Pathak, V. B., B.Sc. (H).	Page, R. K., M.A., LL.B. (SA).
Gokhale, L. K., M.Sc. (VM).	Shah, M. M., M.A. (Econ.), Ph.D. Bom. (CW).
Patwardhan, H. W., M.Sc. (VM).	Chorghade, V. K., M.A., M.A. (Econ.), B.T. (CW).
Jain, K. C., M.Sc. (VM).	Datey, C. D., M.A., Ph.D. (VM).
Kulkarni, D. B., M.Sc. (GSc.).	Pimparkar, G. P., M.A. (VM).
Phatak, V. B., B.Sc. (GSc.).	
Bose, S., M.Sc. (Sc).	
Sinhal, M. S., M.Sc. (Sc).	
Parnandiwari, M. D., M.Sc. (VM).	
Khandekar, P. S., M.Sc. (VM).	
Paradkar, M. K., M.Sc. (VM).	
Nigam, K. C., M.Sc. (VM).	

Commerce

Agarwal, S. N., M.A. Alld., M.A. (Econ.) Calc., F.R.E.S. (CW).
--

Saksena, H. P., M.A.	(Sh).	Joshi, M. G., B.Sc.(Eng.) Ben.	(E).
Jagirdar, P. J., M.A. Ben.	and	Rao, P. M., B.S (Eng) Ben	(E).
Nag.	(N).	Ghosh, A., B.Sc.(Eng.) Ben.,	B.Sc.
Gimi, J. F, M.A.	(NM).		(E).
Naidu, V. S, M.A. Madr.	(NM)	Joshi Rao, G. K., B.A, B.T.	(E)
Banker, D. K., M.A.	(NM).	Khare, D. C., B.Sc., B.Sc. (Tech.)	
Bal, S. D., M.A., LL.B.	(NM)		(E).
Munje, B. H., M.A.	(C).	Kulkarni, H. S., B.Sc., B.Sc.	
Sirsikar, V. M., M.A.	(C).	(Tech.)	(E)
Gandhe, S. V., M.A.	(R).	Sreeramulu, Y., B.Sc.	(E)
Verma, K. C., M.A.	(NM)	Khadpekar, S. V., G.D. Bom.	
Joshi, R. M., M.A.	(Sh)		(E).
Kharche, R. N, M.A.	(H).		

Education

Raje, Miss S., M.A., B.T	(TW).	Naik, V. V., M.A.	(Sc).
Sumitra, Miss K., B.Sc, L.T		Pandit, V. N., M.A.	(Sc).
	(TW)	Purohit, K. J., M.A.	(Sc).
Deosthale, Mrs. L., B.A.	(TW).	Isaacs, D. G., M.A. Madr.	and
Navsalkar, M. V., B.A.	(TW)	Nag.	(H).
Chaudhari, V. R.	(TW).	Appaswamy, S. P., M.A. Madr.	
Siddiqui, Mrs. A. N., B.A.	(TW).		(H)
Walunjkar, Mrs. G.	(TW).	Dutt, Miss M., M.A. Calc.	(Sc).
Warhekar, N. S.	(TW).	Joseph, W. N., M.A.	(H).
Marathe, Mrs. K., B.A., B.T.		Ward, Miss M. C. L., B.A, T.D.	
	(TW).		(H).
Deshmukh, Mrs. I, M.A, B.T.		Saldanha, Miss M. A., M.A. Madr.	
	(TW).		(W).
Hirurkar, Miss S., M.A., B.T.		Madura, Sheila, B.A., B.T.	(W).
	(TW).	Soman, R. V., M.A. Bom.	(SA).
Dhanchshwar, Miss S., B.A.	(TW).	Shrinivasan, M. R., M.A. Madr.	
Nene, H. N., M.A., L.T.	(TM).		(SA).
Ghaisis, K. G., B.A., L.T.	(TM)	Agarwal, S. N., M.A. Alld.	
Ahmad, Taiyab, M.A., T.T.C.		M.A.(Econ.) Calc., F.R.E.S.	
	(TM).		(CW).
Nijsure, P. G., M.A., B.T., T.D.		Nag, D. S., B.Com., M.A. Agra	
	(TM).		(CW).
Babhulgaonkar, R. D., B.Sc., B.T.		Acharya, P. B., M.A. Ben.	(CW).
	(TM).	Guga, R. C., M.A. Dacca	(NM).
Veni, V. M., B.Sc., B.T.	(TM).	Shrivastava, P. N., M.A., LL.B.	
Sarode, T. M.	(TM).		(VM).

Engineering

Chatterjee, C.	(E).	Ghoshal, N. N., M.A.	(VM).
Tiloo, K. N., B.Sc.Eng. Ben.	(E).	Pande, R. P., M.A. Alig.	(VM).
Dey, K. C.	(E).	Rao, N. L., M.A.	(Sh).
Pralhad, S., B.Sc., B.E.(Civ.) Mys.		Parashar, H. S., B.A.	(Sh).
	(E).	Roy, R. N., M.A.	(N).
Andhare, S. N.	(E).	Sen, Miss S., M.A.	(N).
Buldeo, R. G., B.Sc.(Eng.)	(E).	Roy, K. N., M.A. Calc.	(N).
		Krishnan, V. S., B.A. Oxx., M.A.	
		Madr. and Dacca	(NM).
		Mitra, M. N., M.A. Dacca	(NM).
		Vaidya, K. M., M.A.	(VM).

- Deshpande, Mrs. K., B.A. Lond. (NM).
 Thanekar, P. N., M.A., LL.B. (NM).
 Verma, R., B.A. (NM).
 Virdi, D. S., M.A. (C).
 Wanmali, V. R., M.A. Bom. (Sc).
 Garde, D. K., M.A. Alig. and Nag. (C).
 Sen, Miss Adarini, M.A. (C).
 Limaye, S. K., M.A. (GSc).
 Mane, E. G., M.A. (NM).
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 Chordia, S. S. L., M.A. (Sc).
 Madan, Gopal, M.A., B.Litt. (Sc).
 Verma, N. S., M.A. (Sc).
 Barna, P. R., M.A. (R).
 Dasgupta, H. L., M.A. (R).
 Maolankar, R. B., M.A., LL.B. (VM).
 Shukla, G. L., B.A. (VM).
 Khera, T. R., M.A. (VM).
 Easwaran, E., M.A. (H).
 Jaganathan, P., B.A. (H).
- Geography*
 Mukerji, S., M.A., B.A. (NM).
 Bidwai, B. K., M.A. (VM).
- Geology*
 Sripada Rao, K., M.Sc., F.G.S. Reader.
 Pande, P. C., M.Sc. Lectr.
- Hindi*
 Shrivastava, V. P., M.A. (H).
 Yohan, V. B., M.A. (H).
 Narayan, S., B.Com. Agra, M.A.(Econ.) (CN).
 Tiwari, S. P., LL.B. Agra, M.A. (NM).
 Gupta, G. N., M.A. (C).
 Potdar, Miss T., M.A. (W).
- History, v. also Pol. Sc.*
 Lawrence, A. L., M.A. (H).
 Subba Rao, V., B.A. Madr. (Sh).
 Sinha, R. M., M.A., LL.B. (NM).
 Sinha, H. N., M.A., Alld., Ph.D. Lond. (NM).
- Awasthi, A., B.A., M.A. Luck and Nag. (NM).
 Lal, K. S., M.A., Alld., D.Phil. (NM).
 Pahade, J. S., M.A., B.T. (C).
 Telang, P. S., M.A. (VM).
- Home Science*
 Reddy, Miss S. K., B.Sc. (W).
 Radhalakshmi, Miss K. K., B.Sc. (W).
- Law*
 Saranjane, R. B. R. D., B.A., LL.B. (Sh).
 Chaubal, V. B., B.A., LL.B. (Sh).
 Agrawal, N. S., B.A., LL.B. (Sh).
 Sharfuddin, M., B.A., LL.B. (Sh).
 Randive, R. B. S. D., B.A., LL.B. (Sh).
 Desphande, G. T., M.A., LL.B. (Sh).
 Sinha, D. R., B.A., LL.B. (Sh).
 Palekar, M. W., B.A., LL.B. (Sh).
- Marathi*
 Pendse, G. D., M.A., M.O.L. Panj., Ph.D. (H).
 Deshpande, A. N., M.A. (H).
 Marathe, Mrs. K., M.A. (W).
 Kolte, Mrs. U., M.A. (CN).
 Kelkar, N. R., M.A. Bom., B.T. (SA).
 Deshmukh, M. G., M.A., Ph.D., LL.B. (VM).
 Natu, Miss M. G., M.A. (VM).
 Diwanji, N. K., M.A. (Sh).
 Pathak, Y. M., M.A., LL.B. (N).
 Kolte, V. B., M.A., LL.B. (NM).
 Pandit, B. S., M.A. (NM).
 Pandharipande, S. L., M.A. (C).
 Sawalapurkar, P. K., B.A. Bom. (C).
 Mohogaonkar, V. P., M.A., LL.B. (R).
 Budholia, K. K., M.A. (VM).
 Deshpande, B. G., M.A. (VM).
- Mathematics*
 Patel, K. P., M.A. Bom. and Lond. (VM).

- Raghavachari, V., M.A. Madr. (Sc).
 Shrivastava, A. P., M.Sc. (Sc).
 Thosar, Y. V., M.Sc. (Sc).
 Chandy, P. J., M.A. Madr. (H).
 Kane, P. W., M.Sc. (H).
 Paradkar, Miss K. K., B.A. (Sc).
 Bhinge, R. L., M.Sc. (VM).
 Date, Miss A. S., B.A. (Sc).
 Mutatkar, V. L., M.A., B.Sc. (C).
 Veerbhadra Rao, M., B.A., B.Ed. (R).
 And., M.A., LL.B. Ben. (R).
 Kshirsagar, N. S., B.Sc. (VM).
 Dube, B. P., M.Sc. (VM).
 Mahajan, V. T., M.Sc., LL.B. (GSc).
 Iyer, R. S., M.Sc. (NM).
 Misra, S. D., B.Sc. (Sc).
 Rajagopalan, A., M.Sc. (Sc).
 Pandit, P. B., M.Sc. (Sc).
 Rattrone, K. S., M.Sc. (VM).
- Music*
 Khardenavis, P. N. (SA).
 Bapat, G. B., M.A. (H).
- Persian, v. Arabic*
- Philosophy, v. also Engl.*
 Moses, D. G., M.A. Madr. and Col. (H).
 Dharamaraj, M. G., M.A. Madr. (H).
 Sathe, A. B., M.A., B.T. (VM).
 Naidu, Miss S. S., M.A. Madr. (W).
 Gautam, Miss P., M.A. (W).
 Murkute, R. B., M.A., LL.B. (SA).
 Deshmukh, C. D., M.A., Ph.D. Lond. (VM).
 Prasad, Jwala, M.A. All., Ph.D. Camb. (Sh).
 Londhey, D. G., M.A. Bom., Ph.D. Leipzig (N).
 Ramanathan, P. S., M.A. Madr. (NM).
 Jakatey, D. S., M.A. (NM).
 Deshpande, B. R., M.A., LL.B. (C).
- Phatak, S. N., M.A., LL.B. (NM).
 Kebshikar, S. H., M.A. (R).
 Joseph, W. N., M.A. (H).
- Physics*
 Mukerjee, U. D., M.Sc. (Sc).
 Thatte, V. N., D.Sc. (Sc).
 Shahane, S. M., M.Sc. (Sc).
 Sen, B. R., M.Sc., Ph.D. Lond., D.I.C. (Sc).
 Melhotra, K. N., M.Sc. (Sc).
 Bapat, R. N., M.Sc. (Sc).
 Sethi, P. C., M.Sc. (Sc).
 Sharma, R. P., M.Sc. (Sc).
 Nandanpawar, L. S., M.Sc. (Sc).
 Khandekar, P. V., M.Sc. (Sc).
 Kelkar, M. G., M.Sc. (Sc).
 Bhide, M. R., M.Sc. (Sc).
 Nafde, R. L., M.Sc. (Sc).
 Agnihotri, G. P., B.Sc. Alig (H).
 Raj, S., B.Sc. Madr. (H).
 Goodwin, B. G., M.Sc. (H).
 Chinchalkar, S. W., D.Sc. (VM).
 Murty, T. S., LL.B. Luck., M.C. (Sc).
- Apte, U. D., M.Sc. (GSc).
 Apte, G. G., M.Sc. (GSc).
 Bhide, U. G., M.Sc. (Sc).
 Dabodghao, V. M., M.Sc. (VM).
 Kher, V. G., M.Sc. (VM).
 Khamgaonkar, D. A., M.Sc. (VM).
 Chakradeo, A. C., M.Sc. (VM).
- Political Science*
 Puntambekar, S. V., M.A. Ox. Prof.
 Dube, S. C., B.A. (H).
 Ghosh, Miss E., M.A. (W).
 Joglekar, K. S., M.A. (SA).
 Subba Rao, V., B.A. Madr., M.A. (Sh).
 Jagirdar, P. J., M.A. Ben. (N).
 Sinha, H. N., M.A., All., Ph.D. Lond. (NM).
 Avasthi, A., M.A. Luck. and Nag. (NM).
 Sinha, R. M., M.A., LL.B. (NM).
 Garde, D. K., M.A., All. and Nag. (C).
 Sen, A., M.A., B.L. Calc. (C).

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Bhuskute, Miss S , M.A.	(W).	LL.B. Alig., Ph D.	(NM).
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<i>Sanskrit, Pali and Prakrit</i>			
Bapat, G. B , M.A. Bom.	(H).	Ahmad, Taiyab, M A.	(NM).
Kelkar, Mrs. I., M.A	(W).	Sharma, A. C., M.A	(NM).
Joshi, G. D., M A , LL B.	(SA).	Saksena, S. B L., M.A Agra and	
Chaturvedi, S P., M.A. Alld.		Nag.	(C)
	(NM)	Naimuddin, S., M.A.	(VM).
Modi, P. K , M.A , LL.B	(NM).	Qeyamuddin, Q Mohd , M A.,	
Deshpande, G. T., M.A.	(Sh).	B.A.	(H)
Warnekar, S. B., B A.	(N)	<i>Zoology</i>	
Mirashi, V V., M.A Bom	(VM)	Moghe, M. A., M.Sc. Alld. and	
Jain, H. L., M A , LL.B All.,		Bom , Ph.D. Lond.	(Sc)
D.J.ttt.	(NM)	Husain Khatile, Syed M., M.Sc.	
Somalwar, S. G., M.A. Alld.		Alig.	(Sc).
	(NM).	Thakur, S. B , M.Sc.	(Sc).
Varadpande, D. V., M.A.	(C).	Chaube, Miss L. S., M.Sc.	(Sc).
Jawadiwar, N B , M.A	(VM)	Deshpande, K. S., M.Sc.	(Sc).
Pandit, W. N , Kawya Tirtha		Datta, J. J., B Sc.	(Sc).
Calc., B.A., Ph.D.	(R)	Gopal Krishna, A., B.Sc.Mys.	(Sc).
Kulkarni, L. R., M.A.	(NM)	Theophilus, S. C., M.Sc. Bom. and	
<i>Urdu</i>			
Sharman, J. N., M.A.	(R).	Alld	(H).
		Vadya, G. W , M Sc.	(Sc).
		Murthy, K. V. R , M.Sc.	(GSc).
		Das, E. N., M.Sc.	(VM).

GENERAL INFORMATION

The University was established in 1923. The first three colleges in the list on pages 899-900 were formerly affiliated to the Univ. of Allahabad. The authorities of the Univ. are the Court, Executive Council, Academic Council and Faculties. The Univ. does not hold a Matriculation Examn., but admits students who have passed (a) the Final Examn. of the Central Provinces Board of High School Education, or an examn. recognized (with the sanction of the Provincial Government) as equivalent thereto, or (b) the Matricn. Examn. of an Indian Univ.

FACULTIES. Arts, Science, Law, Education, Agriculture and Medicine.

LAXMINARAYAN INSTITUTE OF TECHNOLOGY.—The buildings of the Inst. were completed in the year 1942 and the Inst. began functioning in August 1942. It provides a 2 yrs.' course for B.Sc. (Tech.) in *Chem. Engin.* and in *Oil Technol.* Dr. R. B. Forster, Ph.D., D.Sc., F.R.I.C., formerly Mody Prof. of Chem. Technol., Univ. of Bombay, is Director of the Institute. For further development, construction of new buildings consisting of Pilot Plant building, a boiler-house, chemical stores, laboratory blocks, a workshop and a students' Hostel costing more than 7 lacs rupees, and purchase of engin., chem. and physical equipment costing more than 5 lacs rupees, have been undertaken. The total value of the bequest now stands at Rs. 64,95,000.

ADMISSION to the Univ. is confined to students who have passed the High School Certificate Examn. held under the C.P. High School Education Act of 1922 (also as applied to Berar), or any other recognized equivalent examn.

DEGREES. *Arts*—B.A., 2 yrs. after Inter. examn.; B.A. Hons., 3 yrs.; M.A., 2 yrs.' study after B.A.; Ph.D., open to M.A.s of 3 yrs.' standing, by thesis; D.Litt., open to Ph.D.s of 3 yrs.' standing for original contribution to learning. *Science*—B.Sc., 2 yrs. after Inter. examn.; B.Sc. (Tech.), 2 yrs. after B.Sc.; B.Sc. Hons., 3 yrs.; M.Sc., 2 yrs.' study after B.Sc.; M.Sc. (Tech.), open to B.Sc. (Tech.) of 1 yr.'s standing, by thesis; Ph.D., open to M.Sc.'s of 2 yrs.' standing, by thesis; D.Sc., 3 yrs. after M.Sc. for research conducive to advancement of science. *Law*—LL.B., 2 yrs. after approved Bachelor's degree; LL.M., 3 yrs.' course for approved graduates in Law; LL.D., open to approved Masters of Law of 3 yrs.' standing, by thesis. *Education*—B.T., 1 yr.'s postgraduate study; M.Ed., open to Bachelors of Teaching (and certain other persons recommended by the Senate), by examn. and thesis. *Agriculture*—B.Sc., 2 yrs. after Inter. examn.; M.Sc., open to Bachelors of Agric. and other approved graduates, by thesis; Ph.D., open to M.Sc.'s of 2 yrs.' standing, by thesis. *Medicine*—M.B., B.S., 5 yrs. after Inter. examn. in science. The higher degrees are in every case open to approved graduates of other Univs.

DIPLOMAS. Teaching (2 yrs.), Engineering (3 yrs.), Co-operation (1 yr. postgraduate).

Examinations in Oriental Learning were instituted in 1938.

THE STUDENTS' INFORMATION BUREAU. The Bureau advises and helps students who go abroad for advanced studies.

UNIVERSITY LIBRARY. The library contains 45,000 vols.

PUBLICATIONS. *Calendar*; *Annual Report*; *Examn. Papers*; *Prospectus*, etc. A Journal of research work done by the teachers of the University is published annually.

THE YEAR 1946-47

STUDENTS. 7209.

DEGREES. B.A., 412; B.A. (Hons.), 12; M.A., 161; LL.B., 180; B.Sc., 75; B.Sc. (Hons.), 4; M.Sc., 14; B.T., 81; B.Sc. (Agr.), 31; B.Sc. (Tech.), 13; B.Com., 44.

OSMANIA UNIVERSITY

Founded 1919

Address—Hyderabad, Deccan.

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VICE-CHANCELLOR—WALI MOHAMMAD, M.A. Camb. and Panj., Ph.D.
Göttingen.

REGISTRAR—Prof. MAHMOOD AHMAD KHAN, B.Sc. Alld.

TEACHING STAFF

THE UNIVERSITY (ARTS, SCIENCE, THEOLOGY, LAW AND EDUCATION)

Botany

Sayeduddin, M., B.Sc. Bom.,
M.A. Edin. Prof.

Saksena, M. R., M.Sc. (on deputa-
tion).

Nasrullah, K., M.Sc.

Faruqi, M. A. J., M.Sc.

Khan, F. N., M.Sc.

Alam, S. S., M.Sc.

Singh, R., M.Sc.

Zaidi, S. H. R., M.Sc. (on deputa-
tion).

Nizamuddin, H., M.Sc.

Veerian, K., M.Sc.

Jafer, M. M., M.Sc.

Fariduddin, S., M.Sc.

Commerce

Khan, I. H., B.Com. Lond.

Economics

Qureshi, A. I., M.Sc. Lond., M.A.
Panj., Ph.D. Dub. (on deputa-
tion) Prof.

Qadir, M. A., M.A. Madr., B.Sc.
(Econ.) Lond. (in charge).

Husain, A., M.A., LL.B. Luck.,
L.T. Alld.

Hasan, F., M.A.

Ali, M. N., M.A.

Gilani, M. A., M.A.

Education

(a) Training for men—

Khan, M. A. A., M.A. Delhi,
Dip.Ed., M.Ed. Leeds Prof.

Ali, M. S., B.A. Panj., B.T. Calc.

Shandarkar, D. D., B.A. Bom.,
B.T. Dacca, T.D., Ph.D.
Lond.

Ahmed, G., M.A. Alig., B.Ed.,
Dip.Ed. Glas.

Chemistry

Husain, S., M.Sc. Alig., Ph.D.
Lond. Dean of Sci., and Prof.

Taher, N. A., Ph.D. Lond., M.Sc.

Rahman, K., M.Sc.

Rao, E. S. R., M.Sc. Dacca.

Mohamad, S., M.Sc.

Sharfuddin, M.Sc. Alig.

Bhemiah, A. V., M.Sc.

Rao, N., M.Sc.

Acharya, S., M.Sc.

Mahendra, B. P., B.A.

Yusufuddin, S., M.Sc.

Rahman, M.A., M.Sc.

Chemistry, Applied

Qureshi, M., M.Sc. Panj., Ph.D.
Berlin Hon. Prof.

Kulkarni, B. S., M.Sc. Nag., Ph.D.
Bom.

Ali, A., M.Sc.

Abedin, M. Z., M.A., B.T. Alig.
 Khan, I. A., M.A. Alig, Dip.Ed.,
 M.Ed.
 Pershad, B., M.A., Dip.Ed., M.Ed.
 Khan, M. Q., M.A., M.Ed.
 Husain, S. F., B.A., Dip. in P.T
 Samiullah, S.
 Muhajir, A. R., B.A., M.Ed. Leeds

(b) Training for women—

Begum, Miss Zuhra, B.A., M.Ed.
 Leeds
 Jafer, Miss Zuhra, B.Sc., Dip. Ed.
 Begum, Miss Manzoornissa, B.A.
 Nag., Dip.Ed.
 Begum, Miss Rehana, B.A., Dip.Ed.

English

Doraiswami, M. S., M.A., L.T.
 Madr., B.A. Ox. Prof.
 Virabhadru, T., M.A., L.T.
 Madr. Prof.
 Ahmad, A., B.A. Ox. and Lond.
 Khan, M. A., B.A. Camb., M.A.
 Alig., Dac. and Nag. (on
 leave).
 Barkatullah, K., M.A. Alig.
 Acharya, K. N., M.A. Mys.
 Vaheeduddin, S., Ph.D. Marburg,
 B.A.
 Omar, Mohd. B., M.A.
 Ahsan, S. M., M.A. Alld.
 Siddiqi, S., M.A.
 Krishnamma, B. G. R., M.A. Madr.
 Krishnamurthi, N. V., B.A. Mys.

Geography

Ahmed, Syed, B.A., B.T. Alig.,
 M.A. Edin.
 Bhan, G. S., M.A. Alig., Dip.Ed.

Geology

Ahmeduddin, M., B.A., B.Sc.
 Manc., F.G.S., F.L.S.
 Ahmed, S., B.Sc.

History

Khan, Y. H., D.Litt. Paris Prof.
 Siddiqi, A. M., M.A.

Ali, M. M., M.A.
 Muneeruddin, K., M.A.
 Ahmad, S. S., M.A.
 Ruknuddin, S., M.A.
 Mathur, I. R., M.A.

Languages (Ancient and Modern)

Husain, S. S., M.A. Alld. (Urdu)
 Prof.
 Husaini, Q. K., M.A., L.L.B., Ph.D.
 Lond. (Persian) Prof.
 Almamoon, A. M., B.A. (Arabic).
 Azam, M., M.A., B.T. (Urdu).
 Bhulari, R. R., M.A. Calc. and
 Nag. (Marathi).
 Farookhi, L. A., M.A., L.L.B.
 (Persian).
 Khan, A. M., Ph.D. Camb., M.A.
 (Arabic).
 Mohammad, S., M.A. (Urdu).
 Nabi, S. (Arabic).
 Nandapurkar, N. R., M.A. Alig.
 and Nag. (Marathi).
 Patwari, R. R., M.A. Mys. (Kan-
 arese).
 Ranjanam, L., M.A. Madr. (Tel-
 ugu).
 Rao, D. K. Bhimsen, M.A. Mysore
 (Kanarese).
 Rao, K., M.A. Calc. and Nag. (Sanskrit).
 Shariati, M.A. (Persian).
 Sherma, A., M.A. Alld., Ph.D.
 Munich, Pandit Van Sidhar
 (Sanskrit).

Law

Mirza, H. A.* Prof.
 Moosavi, M. A. A., B.A. Bom.,
 L.L.B. Alig.
 Hamidullah, M., M.A., L.L.B.,
 D.Phil. Bom., D.Litt. Paris.
 Khan, W., B.Sc., L.L.M.

Mathematics

Chand, K., M.A. Camb. (on leave)
 Prof.
 Ali, S. B., M.A. Prof.
 Mohiuddin, K., M.A. Madr., B.T.
 Alig.

Venkata Chari, V. P., M.A (on deputation)

Ahsan, M., M Sc Alig.

Rao, R., M.A

Razvi, S. A H., M.A (on deputation)

Ramnathan, K. G., M.A., M.Sc. Madr.

Jolkar, N. R., M.A.

Muslim Theology

Gilani, S. M. A. Maulvi, Prof.

Ahmed, Z., M.A., L.T., D.Litt. Egypt.

Jafari, S. G., Afzulul Ulma Madr. Maulvi

Ahmed, S. F. Maulvi.

Ali, Mohd. Maulvi.

Hosamuddin, M. Maulvi.

Rahman, Y. Maulvi.

Philosophy and Morals

Hakeem, K. A., M.A., LL.B. Panj., Ph.D. Heidelberg

Dean of Arts, and Prof. Valuddin, M., Ph D. Lond., M.A.

Salahuddin, M., M.A. Dacca.

Lal, S. M., M.A. Alig.

Physics

Ali, S. M., B A. Madr., B.T Alig, Ph.D. Göttingen Prof

Ahmad, N., M.A., B.Sc Alld

Lal, N. R., M Sc. Alig, Ph.D. Lond.

Satyanaryan, R., B.Sc. Lond.

Mohamad, H. G., D.Sc Alld., M.Sc.

Rao, M., M Sc.

Iyengar, S., M.Sc., Dip.Ed.

Rao, J., M Sc.

Deshpande, V., M.Sc.

Puranik, P., M.Sc.

Das, V., B.A.

Sociology

Hasan, J., Ph D. Heid. Prof.

Persad, R., M.A.

Haimendorf, B

Zoology

Das, B. K., D Sc Lond. Prof.

Singh, S. N., M.Sc. Alig. (on deputation)

Qadir, S. S., M Sc.

Jaiswal, G. P., M.Sc.

Hakimuddin, M., M.Sc.

Shareef, M. A., M.Sc.

Humayun, M. R. A., M.Sc.

MEDICAL COLLEGE

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Nawaz, M. S., M.B., B.S. Panj. Prof.

Ansari, M. Y., Ph.D. Edin., M.B., B.S. Prof.

Chandra, Bankat, M.B., B.S. Pt.-time Prof.

Boryaonkar, V. G., M.B., B.S. Bom., L.M. Dub.

Ali, M. M., M.B., B.S., F.R.C.S.Ed. Pt.-time Prof.

Khan, M. Bahadur, M.B., Ch.M. Leeds, F.R.C.S.

Sahgal, S. P., M.B., B.S. Bom. Pt.-time Prof.

Husain, S. M., M Sc. Alld., M.B., B.S. Luck.

Reddy, P. V. R., L.M. & S. Bom.

Rao, K. R., M.B., B.S.

Abhyankar, R. N., M.B., B.S. Bom.

Mohiuddin, G., M.Sc. Alig.

Zaidi, M. M. A., M.B., B.S.

Khan, A. S., M.B., B.S.

Khan, F. K., M.B., B.S. Luck.

Nagarathanam, C. D., L.M. & S.

Siddiqi, M. N. A., M.B., B.S. Luck.

Baig, M. S. A., M.B., B.S.

Rao, V. V., L.M. & S.

Hasan, S. M., M.B., B.S.

Qureshi, R. T., M.B., B.S.

Pt-time Lecturers

Siddiqi, M. Q. H.
 Hussain, M. M. S., D.P.H.,
 D.T.M. & H., D.O.M.S. Lond.
 Ramchender, P., D.O.M.S. Lond
 Rao, R. V., M.B., B.S. Mys.,
 D.L.O. Lond.
 Ranade, B. G., M.B., B.S. Bom
 Ahluvalia, C. L., M.B., B.S. Panj.,
 D.P.H. Lond., D.T.H. Liv.
 Raj, C. A. S., M.B., B.S. Hong
 Kong, D.P.M. Lond
 Khan, A. A., L.M. & S.

Horris, C. G., L.D.S. Calc.
 Nasiruddin, M., D.M.R. Lond.,
 L.M. Dub
 Alvi, M. V.
 Jadhav, S. R., M.B., B.S.,
 F.R.F.P.S. Glas.
 Yasin, M.
 Ali, M. M., M.B., B.S., F.R.C.S. Ed.
 Siddiqi, A. H., M.B., B.S.
 Manvikar, K., M.B., B.S.
 Butt, Miss H., L.M. & S.
 Khan, A. W., M.B., B.S.
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 (Mech. Eng.).
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 Durh.
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 B.Sc. (Eng.) Rang.
 Rasheed, M. A., B.A., B.E.
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 Husain, S. T., B.E.
 Fakhruddin, M., B.E.
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 Lond.
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 Beedkar, S., B.E.
 Seel, B. B.
 Khan, M. D.
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 Raza, M. H., Dip. Arch. Lond.
 Ali, S. A.

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 B.Sc. Econ. Edin., Dip. Ed.
 Prof.
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 Majeed, M. A., B.Ag. Bom.
 Rao, S. N., B.Sc. (Ag.).
 Husain, S. K., B.Sc. (Ag.) Nag.
 Naziruddin, A. A., B.A. Bom.
 Hashmatullah, H., B.E.
 Rao, T. S., B.Sc. (Ag.).
 Krishna, D., M.Sc., Ph.D.
 Murti, P. K., B.Sc. Madr., B.Ag.
 Bom.

Chari, N., M.Sc.
 Razvi, H. A., B.Ag. Bom., Ph.D.
 Wales
 Rao, B. V. R., M.Sc. Ben.
 Khan, Q., M.Sc., Ph.D.
 Vaheeduddin, S., B.A., M.Sc.
 Bom., Ph.D.
 Sulaiman, M., B.Sc.
 Moinuddin, G., M.Sc.
 Khan, S., B.Sc. (Ag.) Nag., B.Sc.
 Khan, M. A., L.Ag. Nag.

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Rao, V. R.	Rao, V. S. R.
Kanan, C. V., B.Sc. Madr.	Ahmed, T, B Sc Madr
Husain, A.	Husain, K.
Pargaonkar, V. N.	

NIZAM COLLEGE

Principal—P. K. Ghosh, M.A. Camb., B Sc. Calc.

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Prof.	Rasheed, G. D., M.A.
Rao, I. C. K., M.Sc., D.Sc. Calc.	Khan, A. H., B.O.L. Madr.
Prof.	Ram Rao, A. S., M.A. Madr.
Gideon, E., M A. Madr., B.A. Ox.	Madhekar, R. B., M.A. Madr.
Ali, S. M., B.Sc. Lond., B.A.	Sastri, S V., M A. Calc and Alig.,
Bhagvan, K. S, M A., B T. Madr.	B O.L. Madr.
Naidu, Miss Leelamani, B.A. Ox.	Laxamikantiah, G, M.A. Madr.
Narsu, B. V. R., M.A., B.Ed.	Sundaram, F. G., M.A. Madr.
Madr.	Akram, M., M.A. Alig. and Edin.,
Siddiqi, A. A., B.A.	B.L. Madr.
Krishnamurty, R., M.A. Madr.	Ghani, S. A, M.A. Alig.
Ahmed, A, M.A., B.T. Alig	Yenkataraman, S., M Sc. Madr.
Sebastian, I. I., M A. Madr. and	Thambi Raj, A S., M.Sc Alig.
Nag.	Chari, R. V., M.A. Madr.
Manichyam, T. W., M.A. Nag,	Thatte, M., M.Sc.
L.T. Madr	Rao, S. K., B.Sc. Madr.
Sayced, K. B., B.A. Madr.	Raghunatham, S., M.Sc. Madr
Fernandez, Miss B., M.A. Madr.	Vishvanatham, M., M Sc. Alld.
Rao, M. P., M.A. Madr	Swamy, S., M.Sc.
Rajgopal, P. V., M.A. Madr.	Khan, M. S., M.Sc.
Rao, R. V, M A. And.	Khan, S., Dip in Phys.Ed.

WOMEN'S COLLEGE

Principal—Miss G. M. Linnell, B.A. Camb.

Parslow, Mrs. B.A.	Begum, Miss Rahmani, M.A.
Gibbs, Miss C., B.A. Mys.	Viccaji, Miss Khursheed, M.Sc.
Begum, Miss Afsarunnisa, M.A.	Cherles, Miss M.
Barucha, Miss S. P., M.A.	Begum, Miss Umatul H., M.A.
Pothan, Miss B., M.A. Madr.	Begum, Miss Jehan B., M.A.
Rahman, Miss Habeeba H., M.A.	Begum, Miss Zeenatunnisa, M.A.
Begum, Qamrunnisa, M.A.	Begum, Miss Razia, M.A.
Yazdani, Miss Zubeda B. S., B.A.	Fatema, Miss Bilquees, M.A.
Ox.	Sufi, Miss Shah J. B., M.A. Alig.
Muhajir, Miss Mumtaz B., M.A.	Burn, Mrs. G., B.A.
Begum, Miss Salamatunnisa, M.A.	Plownan, Miss E., M.Sc.

Rajurkar, Miss Indu, B.Sc. Madr.	Begum, Miss Mahboobunnisa, M. A.
Sundaram, Mrs., M.Sc. Luck.	Dutt, Miss D. Lilavati, M.Sc.
Reporter, Miss Rashida, M.Sc. (on deputation).	Begum, Miss Ahmedi, M.Sc. Mahmood, Miss M., M.A.

8 Part-time Lecturers

CITY INTERMEDIATE COLLEGE

Principal—H. Zaheer, M. A. Ox., Ph.D. Heidelberg
39 other Lecturers.

MAHBOOB COLLEGE, SECUNDERABAD

Principal—I. N. Topa, Ph.D. Freiburg

Wahid, A. Z. A., M.A. Alig.	Qureshi, F. K., B.A.
Fazil, A. H., M.A. Alid.	Siddiqi, M. I., M.A. Alig.
Krishnamurty, R., M.A. Madr.	Natarajan, —, M.A. Madr.
Deoraj, —, M.A., L.T. Madr.	Venkatacharya, C., B.A., B.Com. Andhra.

CHADERGHAT INTERMEDIATE COLLEGE

Principal—A. Ahmed, M.A. Ox. 20 other Lecturers.

DARUL ULOOM INTER. COLLEGE

Principal—S. M. Qadri Zore, Ph.D. Lond., M.A. 15 other Lecturers.

INTER. COLLEGE, GULBARGA

Principal—S. Momuddin, B.Sc., B.T. Alig. 19 other Lectrs.

INTER. COLLEGE, WARANGAL

Principal—R. S. Rao. 15 other Lectrs.

INTER. COLLEGE, AURANGABAD

Principal—A. Hasan, B.Sc. Lond., M.Sc. Alig. 15 other Lectrs.

RESEARCH DEPARTMENT

Director—M. Raziuddin Siddiqi, Ph.D. Leipzig, D.Sc.

GENERAL INFORMATION

The University was established by a Firman (Order) of H.F.H. the Nizam in April 1917. Work began in Aug. 1919, with the opening of the University College. With the development of the Univ., the courses of studies and syllabuses were revised in 1947 by the present Vice-Chancellor, who also found it expedient to reorganize the system of government of the Univ. This was done by a "Firman" (order) promulgating "The Osmania University Revised Charter" on 8th December 1947.

The Univ. includes the Faculties of Theology, Arts, Science, Educn., Engin., Law, Med., Agric., Vet. Sci. and Commerce. It has also an Officers' Military

Training Corps for selected candidates. At present there are 23 depts. for different subjects and 15 Constituent Colls., including 2 for women. Instruction is given in all branches through the medium of Urdu, but English is compulsory in exams. leading to the Bachelor's degree in Arts and Science. But in two Constituent Colleges it has been found expedient to impart instruction through the medium of English.

A Bureau of Translation was established in 1917 to provide text-books in Urdu.

The executive government of the Univ. is vested in the Univ. Council, consisting of 16 members. The organization of instruction rests with the Faculties, Academic Council and the Senate. The Univ. is entirely financed by H.E.H. the Nizam's Government, and the budget for the year 1947-48 is Rs. 45,00,000 (Hyd.).

LIBRARY. 69,305 vols., 25,838 English, 14,783 Oriental Langs., 11,909 Local Langs., 5661 MSS., 11,214 gifts.

FACULTIES. Arts, Science, Law, Islamic Theology, Medicine, Engineering, Education, Commerce, Agriculture and Animal Husbandry.

TERMS. June 21 to Sept. 15; Sept. 20 to Dec. 16; and January 6 to March 31.

ADMISSION. The necessary qualification for entrance to the Univ. Intermediate course is the Higher Secondary Certif. of H.E.H. the Nizam's Government or an equivalent certif.

DEGREES. B.A. and M.A. in the Faculties of Arts and Theology, LL B., B.Sc., M.Sc., B.V.Sc., B.Sc. in Agric., B.E., M.B., B.S., B.Ed., M Ed., B.Com. and Ph.D.

FEES. Admission—Rs. 5; Interm.—Rs. 60 p.a.; B.A., B.Sc. and B.Com.—Rs. 81 p.a.; B.Sc.Ag., B.V.Sc.—Rs. 102 p.a.; M.A. and M.Sc.—Rs. 102 p.a.; I.L.B. and I.L.M.—Rs. 102 p.a.; M.B., B.S.—Rs. 102 p.a.; B.E.—Rs. 102 p.a.; B.Ed.—Rs. 102 p.a.; Ph.D.—Rs. 120 p.a.

RESIDENCE. University Hostels recently constructed provide accommodation for 1000 students. Cost of living about Rs. 300 p.a.

PUBLICATIONS. *Calendar; Annual Administration Report; Research Journals; Text-books.*

THE YEAR 1946-47

EXTRA-MURAL WORK. Extension lectures continue to be given.

DEATHS. Dr. A. Haq, Provost Arts and Head of Dept. of Arabic; Dr. Qazi Moinuddin, Principal, Mahboob Coll.; Begum Zain Yar Jung, Principal, Women's Coll.

STUDENTS. Full-time: 5906. (Theol., 105; Arts, 1997; Sci., 2588; Engin., 286; Law, 280; Med., 307; Agric., 90; Vet. Sci., 39; Commerce, 158.)

DEGREES. B.A., 227; M.A., 23; LL.B., 77; LL.M., 2; B.Sc., 115; M.Sc., 20; B.V.Sc., 16; B.Com., 33; M.B., B.S., 19; B.E., 28; B.Ed., 37; M.Ed., 4.

PATNA UNIVERSITY

Founded 1917

Address—P.O. Bankipur, Patna.

CHANCELLOR—H.E. THE GOVERNOR OF BIHAR.

VICE-CHANCELLOR—Lt.-Col. Sir CHANDRESVAR PRASAD NARAYAN SINGH, C.I.E., M.A. Calc.

REGISTRAR—JAGATNANDAN SAHAY, M.A.

DEPUTY REGISTRAR—PINAKPANI ROY CHOUDHURY, B.Sc.

ASST REGISTRAR—SYED YAWAR HUSSAIN, B.A.

DIRECTOR OF PSYCHOLOGY—HARIPADA MAITY.

TATA PROF. OF GEOLOGY—RAI BAHADUR DR. L. A. N. IYER.

RAI BAHADUR GANGA PRASAD SINGH LECTR. IN HIND—JAGANNATH ROY SHARMA.

DIRECTOR OF MUSIC—R. L. ROY.

ADMITTED COLLEGES

ARRAH, *H.D. Jain College*. B.A., B.Com. Principal—B. B. Majumdar, M.A., Ph.D. 30 other Lectrs.

AURANGABAD (GAYA), *S.S. College*. B.A. Principal—J. P. Jha'Dwij, M.A. B.Sc. 7 other Lectrs.

BANKIPUR (PATNA), *Bihar College of Engineering*. B.C.E. Principal—Bhagwat Prasad, M.Sc., B.L. Calc., B.Sc. (Tech.) Manc. 11 other Profs. and Lectrs.

BANKIPUR (PATNA), *Bihar National College*. B.A., B.Sc. Principal, and Prof. of *English*—S. M. Moinul Haq, O.B.E., M.A. Other Profs.: *Chem.*—N. K. Basu, M.Sc. *English*—C. T. Mitra, M.A. Calc. *History*—K. M. Sinha, M.A. *Maths.*—W. C. Dutta, M.A. Calc. *Persian*—A. Saiyid, M.A. *Philos.*—S. N. Roy, M.A. Calc. *Physics*—S. N. Roy, M.Sc. Calc. *Sanskrit*—S. N. Bhattacharayya, M.A. 25 other Profs., Lectrs. and Demrs.

BANKIPUR (PATNA), *Law College*. B.L. Principal—B. K. Sinha, B.A., B.L. Profs.: A. N. Lal, M.A., B.L.; S. M. Abdul Moin, M.A., B.L.; S. Ainul Varis, M.A. Camb.

BANKIPUR (PATNA), *Patna College*. M.A. Principal—K. P. Sinha, B.A. Camb., M.A. Professors: *Econ.*—B. R. Misra, Ph.D. *Engl.*—K. Ahmad, B.A. Camb., M.A. *History*—K. K. Datta, M.A., Ph.D. Calc. *Maths.*—Kartik Nath Pande, M.A. Calc. *Philos.*—D. M. Datta, M.A., Ph.D. Calc. *Sanskrit*—Iswara Dutta, Ph.D. Munich. 50 other Profs. and Lectrs.

BANKIPUR (PATNA), *Prince of Wales' Medical College*. M.B., B.S. Principal, and Prof. of *Physiology*—B. Narayana, M.Sc., M.B. Calc., Ph.D. Edin. Profs.: *Anatomy*—G. K. Ghosh, B.Sc., M.B. Calc., M.Sc. Lond. *Hygiene*—Rai Saheb H. Prasad, M.B. Calc., D.P.H. Calc., D.T.M. & H. Lond., D.T.M. Liv. *Medicine*

—Rai Saheb S. K. Ghosh Dastidar, M.B., D.T.M. Calc. *Surgery*—D. P. Bhargava, O.B.E., F.R.C.S., D.O.M.S.

BANKIPUR (PATNA), Science College. M.Sc. Principal—P. B. Ganguly, M.Sc. Alld., D.Sc. Lond. Professors: *Maths*—P. N. Das Gupta, M.Sc. Calc., Ph.D. St. And.; P. N. De, M.Sc. Calc., M.A. Lond. *Chem.*—M. Q. Doja, B.Sc., B.A. Camb.; S. K. Guha, M.Sc. Dacca. *Physics*—Rai Bahadur K. N. Banerji, M.Sc. Calc.; M. M. Sen Gupta, M.Sc. Calc., Ph.D. Edin. *Mathematical Physics*—S. P. Prasad, B.A. Camb. *Zoology*—S. S. Choudhury, M.A. Alld., M.Sc. Luck. *Botany*—R. C. Lacy, M.Sc. Alld., M.A. Tor. Asst. Prof. in *English*—K. N. Misra, B.A. Lond., M.A. 42 other Profs., Lectrs. and Demrs.

BEGUSARAI, G.D. College. B.A. Principal—G. D. Chakravarti, M.A. 17 other Lectrs.

BHAGALPUR, Tej Narayan Jubilee College. B.A., B.Sc. Principal—Rai Bahadur G. H. Sinha, M.A. Calc. Profs.: *Eng.*—S. K. Dutta. *Chem.*—I. B. Biswas. *History*—N. Acharya, M.A.; K. K. Bose, M.A. *Maths.*—N. D. Banerji, M.A. Calc. *Philos.*—J. C. Sen Mazumdar, M.A. Calc. *Physics*—S. N. Banerjee, M.Sc. *Pol. Econ.*—G. Chakravarty. *Sansk.*—S. V. Sharma. 35 other Profs., Lectrs. and Demrs.

BHAGALPUR, Marwari College. B.Com. Principal—B. N. Mukerjee, M.A. Calc. 13 other Lectrs.

BIHARSHARIF (PATNA), Nalanda College. B.A. Principal—J. L. Sharma, M.A., D.Sc. Alld. 12 other Lectrs.

CHAPRA, Rajendra College. B.A., B.Com. Principal—Manoranjan Prasad Sinha, M.A. Ben. Profs.: *Engl.*—H. P. Upadhyay, M.A. *Econ.*—G. P. Sinha, M.A. *Phil.*—N. K. Deoraj, M.A., D.Phil. 28 other Lectrs.

DARBHANGA, C.M. College. B.A., B.Com., B.L. Principal—B. M. K. Sinha, B.A. Lond., M.A. Professors: *English*—R. C. Prasad, M.A. *Philos.*—N. L. Palit, M.A. *Econ.*—B. N. Sinha, M.A. *Persian and Urdu*—Q. Hosain, M.A. Ben.; J. Mishra, M.A. Calc. *Sansk.*—H. Goswami, M.A. Calc. *Hist.*—S. N. Misra, M.A. Ben. *Maths.*—P. K. Chowdhary, M.Sc. *Maithili*—J. Misra, M.A. Calc. *Commerce*—K. Saran, M.Com. Luck. *Physics*—C. K. R. Verma, M.Sc. Ben. *Chem.*—R. C. Sahi, M.Sc. *Biol.*—B. N. Prasad, M.Sc. Ben. *Law*—B. K. Biswas, B.A., B.L. 29 other Profs. and Lectrs.

DARBHANGA, Medical College. M.B., B.S. Principal—Lt.-Col. H. J. Curran, M.B., Ch.B., D.T.M. & H. 3 other Profs.

GAYA, Gaya College. B.A. Principal—A. Narayana, M.Sc. Ben. Other Profs.: *English*—S. Sinha, M.A. *Maths.*—K. S. Lal, M.A. *Hist.*—R. N. Prasad, M.A. 26 other Profs. and Lectrs.

HAZARIBAGH, St. Columba's College. B.A. Principal, and Prof. of *Philos.*—A. F. Markham, M.A. Ox. Other Profs.: *Eng.*—T. H. Mukharji, M.A. Dacca. *Chem.*—K. M. Lahiri, M.Sc. *Econ.*—S. K. Bose, M.A. *History*—P. C. Horo, M.A. *Maths.*—R. N. Mukherji, M.Sc.; B. Prasad, M.A. *Pers.*—Md. Muslim, M.A., M.O.L. *Philos.*—K. C. Varughese, M.A. Calc., B.D. Serampore. *Physics*—A. A. K. Mindal. 10 other Profs. and Lectrs.

MONGHYR, R.D. and D.J. College. B.A. Principal—K. K. Saran, M.A. 15 other Lectrs.

MOTIHARI, M.S. College. B.A. Principal—K. Pd. Sinha, M.Sc. 6 other Lectrs.

MUZAFFARPUR, Greer Bhumihar Brahman College. B.A., B.Sc. Principal

—F. Rahman, B.A. Lond., M.A. Profs. *English*—M. Pratap, B.A. Camb. *History*—S. Narain, M.A., B.L. *Pers.*—S. A. Majid. *Chem.*—R. M. Sinha, M.Sc. Calc. *Econ.*—D. P. Srivastava, M.A., B.L. *Maths*—S. D. Upadhyay, M.A. *Philos.*—Y. Masib, M.A. *Physics*—N. D. Ghose, M.Sc. Calc. *Sansk.*—U. N. Jhe, M.A., B.L. 26 other Profs., Lectrs and Demrs.

PATNA, *Training College*. B Ed. Principal—A. A. Kazim, M.A. Camb., B.Sc., B.T. Profs.: N. C. Chatterji, M.A. Calc., Dip Ed.; D. Prasad, B.A., Dip.Ed. Bristol.

RANCHI, *Govt. Degree College*. B.A. Principal—J. Prasad, M.A. Calc., B.A., M.Sc. Camb. 17 other Profs. and Lectrs

RANCHI, *St. Xavier's College*. B.A. Principal—Rev. A. Schoekaert, Ph.D. 16 other Profs and Lectrs

SABOUR, *Bihar Agricultural College*. Principal—J. S. Patel, B.Sc., M.Sc. Corn., Ph.D. Edin. 10 other Profs

SIWAN, *D.A.V. College*. B.A. Principal—B. B. Misra, M.A. Ben., Ph.D. Lond. 7 other Lectrs.

GENERAL INFORMATION

Founded Oct. 1, 1917. Most of the teaching is conducted in the "admitted" Colleges, v. *supra*.

LIBRARY, 38,200 vols.

FACULTIES. Arts, Science, Educn., Law, Engineering, Medicine, Commerce, Agriculture.

DEGREES. B.A., M.A., Ph.D., D.Lit., B.Sc., M.Sc., D.Sc., M.Ed., B.L., M.L., D.L., B.E., M.B., B.S., B.O.L., M.O.L., Dip.Ed.

RECOGNITION of exams. is accorded by Ox., Camb., Lond., Dub., Edin.

RESEARCH SCHOLARSHIPS. Fifteen, five in Science, five in Arts, two in Medicine, two in Engineering, one floating available in Science, Arts, Medicine and Engineering according to demand. The value of each Scholarship is Rs. 100 p.m., tenable for 2 yrs.

RESEARCH FELLOWSHIPS. Junior and Senior, in the scales of Rs. 300-20-500 and Rs. 500-25-750 respectively, tenable for 5 yrs.

PUBLICATIONS. *Calendar*, Rs. 4; *Minutes*, Rs. 2; *Courses of Studies for each Examination*, as. 6; Question Pamphlets (each examn., as. 6); *Regns.*, Re. 1; *Readership Lectures* (on a variety of subjects), Rs. 1-4 to Rs. 4-8.

THE YEAR 1946-47

STUDENTS. Full-time: 15,471.

DEGREES. M.A., 146; M.Sc., 27; B.A., 763; B.Sc., 120; B.Com., 88; B.L., 239; B.Sc. (Eng.), 96; M.B., B.S., 58; M.Ed., 2; M.D., 4.

UNIVERSITY OF TRAVANCORE

TRIVANDRUM

Founded 1937

CHANCELLOR—His Highness SIR BALA RAMA VARMA, G.C.S.I.,
G.C.I.E., D.Litt. Andhra, Maharaja of Travancore.

PRO-CHANCELLOR—Her Highness MAHARANI SETU PARVATI BAYI of
Travancore, D.Litt. Andhra and Benares.

VICE-CHANCELLOR—H. C. PAPWORTH, O.B.E., M.A.

REGISTRAR—P. R. PARAMESWARA PANIKKAR, M.A.

TEACHING STAFF

HEADS OF DEPARTMENTS OF STUDY IN THE UNIVERSITY

Botany

Koshy, T. K., M.A. Madr., Ph.D.
Lond., F.R.M.S., F.L.S.

Chemistry

Narayanan Potti, A., M.A., Ph.D.

Education

Jivanayakam, D., M.A., L.T.,
Ph.D.

Engineering

Deshpande, D. L., B.Sc., M.Sc.
Eng., F.I.A.Sc.

English

Thomas, E. T., M.A., L.T. Madr.,
B.A. Camb.

European Languages

Tampy, T. P., B.A.

Fine Arts

Jayaram, Cousins, D.Litt.

History and Economics

Narayana Pillai, V., M.A.

Malayalam

Goda Varma, K., M.A., Ph.D.

Marine Biology and Fisheries

John, C. C., M.A. Madr., D.Sc.
Lond., D.I.C.

Mathematics

Subramonia Aiyar, H., M.A.,
Ph.D. Lond.

Oriental Studies, Research in

Parameswara Aiyar, Rao Sahib
Mahakavi Sahityabhushana
Ullur S., M.A., B.L.

Philosophy

Sundararaja Naidu, V., M.A., B.L.

Physical Education

Alexander, P. I., M.A. Madr.,
M.P.E. Springfield.

Physics

Venkateswaran, C. S., M.A., D.Sc.,
F.I.P.

Sanskrit

Ramaswami Sastri, V. A., M.A.

Sciences, Applied, Research in

Moudgill, Rajyasevapravina K. L.,
M.A. Camb., D.Sc. Glas. and
Trav., F.R.I.C.

Statistics

Sivaraman Nair, U., M.A., Ph.D.

Tamil

Pannirukaiperumal Mudaliar, C.,
M.A. Madr., B.L.

Textile Technology
Gopalan Nair, M. P.

Zoology
Bhaskaran Nair, K, M.Sc.

COLLEGES MAINTAINED BY THE UNIVERSITY

TRIVANDRUM, *H.H. the Maharaja's University College*. Provides Hons. courses in Hist., Eng., Sanskrit, Malayalam, Maths., Physics and Chem. and Pass courses in Hist., Psychol., Malayalam, Tamil, Sanskrit, Islamic Culture, Maths., Physics, Chem., Bot. and Zool., and Postgraduate courses in Maths., Physics and Chem. Principal—H. Subramonia Aiyar, M.A., Ph D. 100 other Teachers

TRIVANDRUM, *H.H. the Maharaja's College for Women*. A Second Grade College. Principal—Miss Anna Nidiry, M.A. 22 other Teachers.

TRIVANDRUM, *H.H. the Maharaja's Sanskrit College*. An Oriental College. Principal—N. Gopala Pillai, M.A. 16 other Teachers.

Professional Colleges

TRIVANDRUM, *H.H. the Maharajah's Training College*. B.T. course. Principal—D. Jivanayakam, M.A., L.T., Ph.D. 11 other Teachers.

TRIVANDRUM, *H.H. the Maharajah's Law College*. B.L. Principal—K. Narayanan, B.A., B.L. 4 other Teachers.

TRIVANDRUM, *The College of Engineering*. Degree, Diploma and Certificate courses in Civil, Mechanical and Electrical Engineering. Principal—Rajyaseva-pravina D. L. Deshpande, B.Sc., M.Sc.Eng., F.I.A.Sc. 49 other Teachers.

COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

First Grade Colleges

ALLEPPEY, *The Sanatana Dharma College*. Provides Pass courses in Maths., Bot., Zool. and Econ. Principal—K. S. Padmanabha Aiyar, M.A., L.T., D.Sc. 10 other Teachers.

ALWAYE, *The Union Christian College*. Provides Pass courses in Maths., Physics, Philos., Hist. and Econ. Principal—C. P. Mathew, M.A. 27 other Teachers.

CHANGANACHERRY, *The St. Berchmans' College*. Provides Pass courses in Maths., Physics, Bot., Zool. and Econ. Principal—Rev. Fr. Thomas William, M.A., L.T. 50 other Teachers.

Second Grade Colleges

KOTTAYAM, *The C.M.S. College*. Principal—P. C. Joseph, M.A. 19 other Teachers.

NAGERCOIL, *The Scott Christian College*. Principal—G. H. Marsden, M.A. Camb. 17 other Teachers.

Pre-University Schools

CHANGANACHERRY, *The N.S.S. Pre University School*. Principal—T. K. Narayana Aiyar, M.A.

TRIVANDRUM, *The Government Pre-University School*. Principal—A. Chummar, M.A., L.T.

The University maintains also an Institute of Textile Technology and a School of Arts. It conducts a Diploma course in Shorthand and Typewriting.

GENERAL INFORMATION

The University of Travancore was established under an Act promulgated by H.H. the Maharaja of Travancore on 1st Nov. 1937. The chief aims of the Univ. are to effect a reorganization of the system of education in the State with a view to the gradual development of technical and technological education, to make greater and more systematic provision for the furtherance of original research in the various branches of Applied Science and to provide for the conservation and promotion of Kerala Art and Culture.

The Senate, consisting of between 60 and 70 members, is the legislative body of the Univ. and has general control over the affairs, concerns and properties of the Univ., subject to the ultimate control of the Government. In addition to the *ex officio* members—the Vice-Chancellor, Director of Public Instruction, Deans of Faculties and Principals of Colleges—the Senate includes also representatives of registered graduates and of the two Houses of Legislature and a certain number of members nominated by the Chancellor. The Senate is to be reconstituted every three years. The Syndicate, consisting of 12 members, forms the executive body of the Univ. and the administration of the affairs of the Univ. and the management of the institutions maintained by the Univ. are vested in the Syndicate. The other authorities of the University are the Faculties and the Boards of Studies.

FACULTIES. Arts, Science, Technology, Oriental Studies and Fine Arts, Law, Education.

DEGREES. B.A. and B.Sc. ordinary—2 yrs. after Intermediate; Hons., 3 yrs.; B.Sc. (Engin.), 5 yrs. Candidates for the M.A. and M.Sc. must undergo prescribed courses of study for 2 yrs. after graduation. The M.Sc. is also awarded to graduates of recognized Univs. on the results of research work over a period of 3 yrs.; non-graduates, 4 yrs. The Ph.D. is awarded to Masters of Arts or Science by examination after 3 yrs.' research, and to Masters of Science by research, after 2 yrs.' research. The D.Sc. and D.Litt. are awarded to Doctors of Philosophy after 2 yrs.' research. The B.L. is awarded after 2 yrs and the B.T. after one yr. of postgraduate study.

The Univ. also confers the following Titles in Oriental Studies: Mahopadhyaya (Sanskrit), Sahityavisarada (Malayalam), Vidvan (Tamil).

DIPLOMAS. Diplomas in Textile Manufacture and Textile Chemistry, each 3 yrs. Diplomas in Civil, Mechanical and Electrical Engineering, each 4 yrs. Diploma in Shorthand and Typewriting, 2 yrs.

THE YEAR 1946-47

BENEFACTIONS. Rs. 9,55,402.

NEW BUILDINGS. New buildings have been constructed for the Bot. and Zool. Depts., Sanskrit Coll., Univ. Library and Dept. of Publications.

NEW POST. Mr. T. R. M. Lawrie has been apptd. Director of Mineral Survey and Research at the Univ.

OTHER DEVELOPMENTS. The Education Reorganization Cttee. appointed

by the Govt. of Travancore to enquire into the existing educational system in the State and to formulate proposals for its reorganization with due regard to post-war developments recommended the institution of the 3-yr. degree course, the abolition of the present Intermediate Examn. and the institution of an Entrance Examn. for admission to the Univ. The Senate accepted the recommendations of the Cttee. and as a first step instituted the Univ. Previous Examn. This examn. is open to candidates who have already passed the school leaving certif. examn. conducted by the Education Department of Travancore or any other examn. accepted by the Syndicate as its equivalent. Candidates are required to undergo a course of study in the prescribed subjects for a period of not less than one academic year in a Pre-University School recognized by the Univ. The subjects for the Univ. Previous Examn. are arranged according to Faculties and candidates are free to choose the subjects of their aptitude and ability

HONORARY DEGREES. *D.Sc.*—Rajyasevapravina K. P. Padmanabha Menon, Industrial Liaison Officer, Travancore. *L.L.D.*—Sir John Sargent, Education Secretary to the Government of India.

STUDENTS. Full-time, 5695, including 385 graduates. Part-time, 25.

UTKAL UNIVERSITY

Founded 1943

Address—Cuttack, Orissa. Telegrams—University, Cuttack.

CHANCELLOR—H.F. THE GOVERNOR OF ORISSA.

PRO-CHANCELLOR—SIR P. C. BHANJA DEO, K.C.I.E., G.C.S.I., Maharaja of Mayurbhanj, Orissa.

VICE-CHANCELLOR—P. K. PARIJA, O.B.E., M.A., Camb., D.Sc. Patna.

REGISTRAR—G. C. SATPATHY, B.A. Lond.

ASSISTANT REGISTRAR—G. C. RATH, M.A. Madr., Dip. in L.Sci. And.

ADMITTED COLLEGES

BALASORE, *Government College*. B.A. Principal, and Prof. of *English*—G. S. Ray, M.A., B.L. Calc. Lectrs. : *Econ.*—R. C. Patnaik, M.A. *Hist.*—P. R. Rajgopal, M.A. *Maths.*—S. K. Panda, M.A. *Philos.*—D. N. Dutta, M.A., B.L. *Sanskrit and Oriya*—K. B. Das, M.A. 5 other Lectrs.

BERHAMPORE (GANJAM), *Khallikote College*. B.A., B.Sc. Principal, and Prof. of *Chem.*—G. Jagannadham, B.A., L.T. *Econ.*—Narasinga Padhi, M.A., L.T. *English*—D. Panigrahi, M.A., B.Ed. *Hist.*—K. Sambasiva Rao, M.A. *Maths.*—K. N. Sunderason, B.A. *Oriya*—C. M. Das, M.A. *Philos.*—K. R. R. Patnaik, M.A. *Physics*—K. V. Iyer, B.A. *Telugu*—P. A. Sastri, Vidvan and Kavyatirtha. 12 other Lectrs. and Demrs.

BOLANGIR (PATNA-BOLANGIR), *Rajendra College*. B.A. and Inter. Commerce. Principal, and Prof. of *English*—M. J. Dave, M.A., Ph.D., D.Litt. Other Profs. : *Commerce*—K. P. Nigam, M.A., B.Com. *Econ.*—K. V. Rao, M.A., M.Litt. *Hist.*—P. K. Mukherjee, M.A., D.Ed. *Logic*—K. V. Krishna Rao, M.A. *Maths.*—M. K. Wadikhaya, M.A. *Oriya*—N. C. Saraf, M.A. *Sanskrit*—G. C. Misra, M.A. 2 other Profs.

CUTTACK, *Ravenshaw College*. M.A., B.A., B.Sc., B.L. Principal—S. Ray, B.A. Ox. Other Profs. : *Bot.*—P. Misra, M.Sc. Calc., Ph.D. Leeds. *Chem.*—B. Prasad, D.Sc. Lond. *Educ.*—G. K. Mohanty, M.A. Patna, Dip.Ed. Edin. *English*—P. S. Sundaram, B.A. Ox. ; V. V. John, B.A. Ox., M.A. Madr. *Geog.*—Moulvi M. M. Hassan, M.A., M.Ed. *Hist.*—J. Mohanty, M.A. *Law*—H. N. Bhattacharya, M.A., M.L. Calc. *Maths.*—B. C. Das, B.A. Lond., M.A. Patna. *Oriya*—K. K. Kar, M.A. *Pers.*—Moulvi A. Ali, M.A., D.Edn. Patna. *Philos.*—G. Misra, M.A. *Physics*—Rai Sahib N. Misra, M.Sc. Calc. *Sanskrit*—K. B. Tripathy, M.A., B.L. Patna. *Zool.*—H. S. Chaudhuri, D.Phil., M.Sc. 47 other Profs., Lectrs. and Demrs.

CUTTACK, *Women's College*. B.A. Principal—Miss I. I. Khan, M.A. Other Profs. : *Dom. Sci.*—Miss P. Behera, M.A., Dip.H.S. *Econ.*—Miss Mira Aich, M.A. *Hist.*—Miss Asha Mitra, M.A. *Logic*—Miss Mukul Rai Chaudhury, M.A. *Maths.*—Miss Roma De, M.A. *Oriya*—Miss Santilata Behera, M.A. Calc. *Sanskrit*—Miss S. Patra. 4 other Lectrs.

CUTTACK, *Stewart Science College*. Inter. Science. Principal, and Prof. of

English—Rev. H. T. Bamfield, B.Sc., Dip.Edn. Other Profs.: *Chem.*—S. K. Mukherjee, M.Sc. *Maths.*—S. M. Das, M.Sc. *Physics*—K. N. Ghosal, M.Sc. 3 other Profs.

CUTTACK, *Utkal Christian College*. B.A. Principal, and Prof. of *English*—B. Mohanty, M.A., B.L. Calc. Other Profs.: *Econ.*—K. Krishnamurty, M.A. *Hist.*—K. P. Patnaik, M.A. *Maths.*—M. N. Roy, M.Sc. *Philos.*—S. R. Mukherjee, M.A. *Oriya and Sanskrit*—G. K. Bramha, M.A. 6 other Profs.

CUTTACK, *Orissa Medical College*. M.B., B.S. Principal, and Prof. of *Physiol.*—S. M. Banerji, M.Sc., M.D. Calc. Profs.: *Anat.*—R. K. Rau, F.R.C.S.Ed. *Biochem.*—K. Subrahmanyam, M.Sc. *Med.*—Lt.-Col. K. N. Pisharoty, M.D., D.T.M. *Midwifery*—P. C. Roy, M.B. Dub. *Ophthalmol. and Otorhinolaryngol.*—Lt.-Col. P. Papatla, B.A., M.B., B.S. Madr., D.O.M.S., D.L.O., D.P.H. Lond., F.R.C.S.Ed. *Pathol.*—B. Patnaik, B.Sc., M.B. Calc., D.P.H. Calc. *Pharmacol.*—K. Venkatachalam, L.M.S. Madr. and Bom. *Surg.*—Rai Bahadur K. N. Misra, B.Sc., M.B., D.T.M. 19 other Profs.

CUTTACK, *Government Training College*. Dip. in Educn.—Principal—M. C. Pradhan, M.A., B.L. Calc., Dip.Ed. Patna and Edin. Profs. of *Education*: S. C. Mahapatra, M.A., B.L., Dip.Ed. Patna, H.Dip. in Edn. Dub.; P. Rath, M.A., M.Ed. 2 other Profs.

JAJPUR (CUTTACK), *Narsing Chaudhury College*. Inter Arts. Principal, and Prof. of *English*—K. B. Patnaik, M.A., B.L. Patna. Other Lectrs.: *Econ.*—K. M. Warrior, B.A. *Maths.*—K. C. Sarkar, M.A. *Oriya*—J. Rath, Sahitya-charya. 2 other Lectrs.

PARLAKIMEDI (GANJAM), *Maharaja's College*. B.A. Principal, and Prof. of *Chem.*—G. C. Mohanty, M.Sc. Other Profs.: *Agric.*—B. Kamaraju, B.A., B.Sc. (Agric.), B.Ed. Madr. *Biol.*—C. N. B. Sankar, M.A. Calc. *Econ.*—S. V. R. Patnaik, M.A. *English*—T. Krishnamurty, M.A. Madr. and Calc. *Hist.*—U. C. Misra, M.A. *Maths.*—P. V. L. Narsing Rao, M.A. Madr. *Physics*—H. K. Patnaik, B.A., B.Ed. Madr. *Oriya*—K. C. Misra, M.A. 7 other Profs. and Demrs.

PURI, *Government College*. Inter. Sci., B.A. Principal, and Prof. of *Physics*—G. B. Banerji, M.Sc. Calc., Ph.D. Lond. Other Lectrs.: *Bot.*—K. L. Parthasarathy, M.Sc. *Chem.*—R. K. Misra, M.Sc. *Econ.*—S. C. Das, M.A. *English*—A. P. O'Brien, M.A., B.L. *Maths.*—I. B. Das Gupta, M.A., B.L. Calc. *Oriya*—U. Misra, M.A. *Philos.*—S. K. Chattopadhyay, M.A. Calc. *Physics*—M. Misra, M.Sc. *Sanskrit*—S. Hota, M.A., Jyotishacharya. *Zool.*—P. N. Chatterji, M.Sc. 7 other Lectrs. and Demrs.

SAMBALPUR, *Government College*. B.A., B.Com. Principal, and Prof. of *Hist.*—G. S. Das, B.A. Lond. Other Profs.: *Chem.*—D. Misra, M.Sc. *Comm.*—P. C. Ray, M.Com. *Econ.*—H. K. Misra, M.A. *English*—T. E. Jayaraman, M.A. *Maths.*—S. P. Misra, M.Sc. *Oriya*—R. K. Ray, M.A. *Philos.*—Moulvi Sk. A. Manan, M.A. *Physics*—R. C. Rajguru, M.Sc. *Sanskrit*—G. B. Dhal, M.A. *Zool.*—K. I. Verghese, M.Sc. 12 other Lectrs. and Demrs.

GENERAL INFORMATION

After the separation of Orissa from Bihar and the creation of a new Province of Orissa in April 1936, a strong desire was expressed among the leaders of the Province to establish a separate University in Orissa. In 1942 a Committee was formed under the presidentship of Pandit Godavarish Misra, M.A., B.T., the then Minister of Education, Orissa, to frame and draft the University Bill, which, after being passed in the Orissa Legislative Assembly received

the assent of the Governor of Orissa on the 23rd November 1943, and from that date the Utkal University came into being under the Utkal University Act, 1943 (Orissa Act XIII of 1943).

The Utkal University is at present a University with which there are affiliated 13 colleges, of which 9 are First Grade Colleges, 2 Second Grade Colleges, 1 Medical College and 1 Training College. 123 High Schools recognized by the Director of Public Instruction, Orissa, are permitted to present candidates for the Matriculation examn. of the Univ.

The Univ. has no building of its own as yet. It is now housed in the Burdwan House, Chauliaganj, Cuttack, which has been leased to the Univ. by the Maharajadhiraja of Burdwan, Bengal, free of rent. The Univ. Buildings which are to be located at Jaharpara near Bhubaneswar, about 18 miles from Cuttack, come under the "Special Priority" plan of the Orissá Govt. in its Five-year Plan of the Post-war Reconstruction Scheme.

FACULTIES. Arts, Science, Law, Medicine, Education, Commerce.

ADMISSION to Univ. courses is by Matriculation examn. of the Univ. or by one of the following examns. recognized on a reciprocal basis as equivalent thereto: (1) Board's High School examn. of United Provinces; (2) Higher Secondary School examn. of Osmania Univ.; (3) admission examn. of Benares Hindu Univ.; (4) S.S.L.C. examn. conducted by the Madras S.S.L.C. Bd.; (5) S.S.L.C. examn. of Andhra Univ.; (6) Senior Cambridge School Certif. examn.; (7) Matriculation examn. or its equivalent, of all other Indian Univs.

DEGREES. B.A., M.A., B.Sc., B.L., B.O.L. (Oriental degree), M.B., B.S.
DIPLOMA. Diploma in Education.

FEES. Per month: Intermediate in Arts, Rs. 6; Intermediate in Science, Rs. 7; B.A., Rs. 7; B.Sc., Rs. 8; B.L., M.A. and M.B., B.S., Rs. 10 each.

PUBLICATIONS. Under preparation.

THE YEAR 1946-47

BENEFACTIONS. Government of Orissa, Rs. 40,000; Public Charity (Endowments), Rs. 16,789-15-7.

OTHER DEVELOPMENTS. Under orders from the Military Dept. of the Central Govt., the U.O.T.C. was establd. from 1st March 1947, with a view to giving military training (Army section) to teachers and students of the Univ. 315 students and 6 Profs. enrolled as cadets and officers and are now successfully undergoing military training.

The I.A.T.C. of the Univ. ceased to function from Oct. 1947 under orders of the Central Govt.

The Information Bureau continues to function and has proved itself helpful to students of the Univ. going to other Univs. in India and abroad for higher education.

The third and fourth Convocations, for the purpose of conferring degrees on the graduates of this Univ., were held in April and December 1947, the former presided over and addressed by the Vice-Chancellor, the latter by H.E. the Chancellor.

STUDENTS. Full-time: 3483. Part-time: 167.

DEGREES OBTAINED (1947). M.A., 15; B.A., 314; B.Sc., 88; B.L., 55.

ORIENTAL TITLE. B.O.L., 6.

THE UNIVERSITIES OF PAKISTAN

PAKISTAN came into existence on the 15th August 1947. It naturally inherited the methods and system of University Education which were prevalent in India before partition. Three Universities—those of the Panjab, Sind and Dacca—were situated in the territories which now form Pakistan. Of these the oldest is the University of the Panjab, whereas the Sind University came into existence in 1947 by an Act of the Legislative Assembly of Sind, the first meeting of the Senate being held on the 24th June, after the announcement of the plan for the partition of India. The partition affected the other two Universities in various ways. Eastern Panjab, which became a part of the Dominion of India, is no longer within the territorial jurisdiction of the University of the Panjab; with the migration of such teachers, officials and students as preferred to go to the East Panjab, the personnel of the University was considerably changed. It had also to face, like every other University in Pakistan, but to a much greater degree, the problem of the influx of a large number of refugee students and teachers from the Dominion of India. The University of Dacca had hitherto been a unitary and teaching University; it had now, however, to adapt itself to the changed circumstances, because the territories of Eastern Pakistan inherited a number of institutions which had been situated away from Dacca and affiliated to the University of Calcutta. Hence the University of Dacca, while retaining its own teaching arrangements, affiliated such institutions, and became like the sister University of the Panjab, both teaching and affiliating.

THE NATURE OF PAKISTAN UNIVERSITIES. The directly administered territories of Pakistan cover an area of 235,000 square miles. In addition, there are a number of States which have acceded to the Dominion. The population of Pakistan is over seventy millions. This vast territory is served, at present, by only three Universities. It is obvious that these Universities cannot bear the entire burden of higher education. Hence there are affiliated colleges situated in the more important towns. The institutions must conform to standards prescribed by the Universities and are under their general supervision. The Universities conduct the examinations which qualify candidates for various degrees. The Panjab University has a strong, central teaching section, which supplements the teaching organized by the local colleges partly on a co-operative basis. All higher teaching at Dacca is done directly by the University. The Sind University is developing on the lines of the Panjab University.

STATE AID AND CONTROL. The Universities of the Panjab and Dacca were incorporated by Acts of the pre-partition Central Indian Legislature, and the Sind University, as has been mentioned before, by an Act of the Provincial Legislature. All these Universities receive generous grants-in-aid from their respective provincial Governments; they are,

however, self-governing and legal corporations, managing their affairs in accordance with their own statutes and regulations. There are certain matters in which the provincial government has some authority, but these are strictly limited in their scope, and are intended only to safeguard public interests.

THE INTER-UNIVERSITY BOARD. For the purpose of discussing problems which affect the Universities in general and also for the exchange of views on inter-University relations, a body representing the three Universities and the Central Government has been established which meets at least once a year.

ADMISSION AND COURSES OF STUDY. Students are admitted to the Intermediate classes in Arts or Science after passing the Matriculation Examination of a Pakistan University or an examination recognized equivalent thereto; they receive education in some affiliated College for two years when they pass their Intermediate Examination. After doing so they read for their degree which they take in two or three years. The Master's degree can be obtained by one or two years' further study and an examination. The duration of courses of study leading to technical or professional degrees varies considerably according to the subject and in the various universities. Research degrees are awarded by all the universities. The Panjab University has a separate college for Oriental learning and awards special degrees.

RESIDENCE. Satisfactory arrangements are available in all the Universities and most of the Colleges for residence.

FEES AND COST OF LIVING. There are different fees for various courses and the cost of living varies from Rs. 50 p.m. in Dacca to Rs. 60 p.m. in Karachi and Lahore.

(Note — 1 Rupee = rs. 6d. approximately.)

REORIENTATION. The Educational Conference organized by the Ministry of Education in the Central Government of Pakistan has made a number of recommendations and the newly constituted Inter-University and Central Advisory Boards are examining anew the requirements of Pakistan in the realm of university education. The Universities themselves are busy in evolving plans of development and adaptation to the new needs of national education. It is intended not only to expand the scope of the activities of the existing universities and to intensify their efforts by creating better standards, but also to found new universities in some areas.

UNIVERSITY OF DACCA

Founded 1921

Address—Ramna, Dacca, East Bengal.

VISITOR—H E. THE GOVERNOR-GENERAL OF PAKISTAN.

CHANCELLOR—H.E. THE GOVERNOR OF EAST BENGAL.

VICE-CHANCELLOR—M. HASAM, M.A., D.Phil. Ox

TREASURER—SULTAN UDDIN AHMAD, M.A., B.L.

REGISTRAR—.....

ACADEMIC REGISTRAR—A. H TALUKDAR, M A. Lond. (also offg. as Registrar).

LIBRARIAN—DR. SERAJUL HAQUE

TEACHING STAFF

Agriculture

Hedayetullah, S. (Khan Bahadur),
M.Sc., Ph.D. Reader.*
22 Teachers.

Arabic and Islamic Studies

Hossain, S. M., M.A., D.Phil. Ox. Prof.*
Haque, S., M.A., Ph.D. Lond. Temp. Reader.

Aziz, Md. A., M.A. Lectr.
Subhan, A., M.A., B.Litt.
Rahim, Sheikh A., M.A., B.L., B.T.
Hasan, Md. S., M.A.
Ishaq, Md., M.A., Ph.D.

Bengali

Basu, G. C., M.A. Temp. Reader.*
Bhaduri, B., M.A. Lectr.
Mia, I., M.A. Lectr.
Roy, S., M.A. Lectr.
Pal, H., M.A. Lectr.

Biology

Maheswari, P., D.Sc. Prof.*
Khan, R., M.Sc. Lectr.
Yusufzai, H. K., Ph.D. Lectr.
Ghosh, G., M.Sc. Lectr.
1 Demr., 1 Curator, 1 Asst. to Prof.
of Bot.

Chemistry

Zernike, J., D.Sc. Prof.
..... Reader.
..... Reader.

Lecturers

Purkayastha, R. M., M.Sc. Calc.
Sarma, J. C., M.Sc. Calc.
De, S. C., D.Sc.
Bannerjee, P. C., D.Sc.
Chakraborty, K. M., D.Sc.
Bhuiyan, M. M. A., M.A.
Kar Chandra, B., D.Sc.
Chakraborty, J. N., Ph.D.
Chakraborty, K. H.
Bhuyan, Md. N. H. A. S., M.Sc.
Ghosh, A. R., M.Sc.
1 Lab. Asst.

Commerce

Junnarkar, P. B., M.A., LL.B.
Bom. (Acctcy. and Business
Organizn.) Reader.*
Sen Gupta, N., M.A. (on study
leave) Lectr.
Safiullah, M., M.A. Lectr.
4 Pt.-time Lectrs.

Economics

..... Prof.

* Head of Department.

Ayyar, S V, M.A. Madr.	.....	Reader.
Actg Reader.*	Sircar, H., D.Sc. Calc.	Lectr.
Dam, M. L., M A Calc.	Sen Gupta, H. M., M.A.	Lectr.
Sen, R. S., Ph.D.	Banerjee, D. P, D Sc	Lectr.
Huq, M., M A.	Chakraborty, M S., M.Sc	Lectr.
Huq, S. A. M., M.A	Huq, A, M.A	Lectr.
Ghosh, P C., M.A.	Maniruzzaman, M. A.	Lectr.
Hussain, M., M.A.		
Huq, T., M.A.		

Education

Akhurji, A. R., M.A., B.L.	
Hon. Reader.*	
5 Hon Teachers.	

English

Stock, A. G., M.A.	Prof.
.....	Reader

Lecturers

Chaudhury, J. N., M.A Calc.	
Roy, S. N., M.A. Calc., Ph.D.	
Lond.	

Bose, A., Ph.D.	
Bose, Miss Charupana, M.A.	
Asraf, A. A. N., M.A.	
Khan, K. S, M.A.	

History

Qanungo, K. R., M.A, Ph.D. Calc.	
Prof.	
Husain, M., Dr.phil. Heidelb.	
Reader.	
Ganguly, D. C., M.A., Ph.D.	
Lond.	Reader.
Chakraborty, P. C., M.A., Ph.D.	
Lond.	Lectr.
Choudhury, B. S., M.A., Ph.D.	
Lectr.	
Ahmad, M.	Lectr.

Law

Siddiqui, N. U. A., M.A., B.C.I.	
LL.D.	Prof.*
Dutttagupta, A. K., M.A., B.I.	
Calc.	Lectr.
Momen, N., B.L.	Lectr.
Ghosh, S., M.A., B.L.	Lectr.

Mathematics

Basu, N. M., D.Sc. Calc.	Prof.
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Persian and Urdu

Shadani, W. H. A., M.A., M O.L.	
Panj., Ph.D. Lond.	Prof.*
Azad, S. M. Z. H., B.A. Panj.	

Lectr.	
Huda, M. F., M.A.	Lectr.
Chaudhuri, A. F., M.A.	Lectr.

Philosophy

Roy, B. N., M.A., Ph D.	
Actg Reader *	
Jilani, G., M.A. Panj.	Lectr.
Bhattacharyya, B., Ph.D.	Lectr.
Sardar, F. K., M.A.	Lectr.
1 Pt-time Lectr.	

Physics

Khastgir, S. R., D.Sc. Calc.	
Reader.*	
Reader	

.....	
Mitra, S. M., M.Sc., D.Sc. (on study leave)	Lectr.
Mukherjee, S. S., M.Sc.	Lectr.
Husain, Q. M., M.A.	Lectr.
Mukherjee, S. K., M.Sc.	Lectr.
Mitra, P. K., M.Sc.	Lectr.
Biswas, S. C., M.Sc.	Lectr.
Karim, M., Ph.D.	Lectr.
Quasem, A., M.Sc.	Lectr.
Chaudhry, K. D., M.Sc.	Lectr.
1 Asst. to the Prof.	

Physiology

Jabbar, A., M.Sc.	Lectr.
Chakraborty, N. K., M.B.	Lectr.
1 Pt-time Lectr.	

Political Science

Banerjee, D. N., M.A. Calc.	
Reader.*	
Ghosal, A. K., M.A. Calc., Ph.D.	
Lond.	Reader.

Sen, A. K., M.A Calc.	Lectr.	Sarma, R. R , Ph.D.	Lectr.
Ahmad, M., M.A.	Lectr	Hazra Chandra, R., Ph.D.	Lectr.
Basu, C. N.	Lectr.		
		<i>Soil Science</i>	
<i>Sanskrit</i>		Banerjee, T. P., D.Sc.	Lectr.
Lahiri, P. C , Ph.D Lond , M.A.		Karim, A , M Sc.	Lectr.
	Actg. Prof.	3 Demrs.	

COLLEGES AFFILIATED TO THE UNIVERSITY

- BAKARGANJ (CHAKHAR), *Fazlul Haq College.*
 BARISAL, *Brojmohan College.*
 BARISAL, *Lahif Islamia Inter. College.*
 BOGRA, *Azizul Haq College.*
 CHITTAGONG, *Chittagong College.*
 CHITTAGONG, *Chittagong Islamia Inter. College.*
 CHITTAGONG (ALDARAN), *Government College of Commerce.*
 CHITTAGONG (KANANGOPARA), *Sir Asutosh College.*
 DACCA (MANIKGANJ), *Dabendra College.*
 DACCA, *Dacca Intermediate College.*
 DACCA, *Dacca Islamia Intermediate College.*
 DACCA, *Eden Intermediate College.*
 DACCA (MUNSHIGANJ), *Haraganga College.*
 DACCA, *Imperial Salimullah Intermediate College.*
 DACCA, *Jagannath Intermediate College.*
 DACCA, *Kumrennessa Intermediate College.*
 DACCA (NARAYANGANJ), *Seth Tolaram Girls' College.*
 DINAJPUR, *Surendranath College.*
 FARIDPUR, *Ragendra College.*
 FARIDPUR (RAMDIA), *Sri Krishna College.*
 JESSORE, *Jessore Michael Madhusudan College.*
 JESSORE (NARAIL), *Victoria College.*
 KHULNA (DAULATPUR), *Brojlal Hindu Academy.*
 KHULNA (BAGERHAT), *Praphulla Chandra College.*
 KHULNA, *Ragendra Kumar Girls' College.*
 KHULNA (SARIHRA), *Sathkira College.*
 MALDA (MANAKASHA), *Fazlul Haq Adina College.*
 MYMENSINGH, *Anandamohan College.*
 MYMENSINGH (JAMALPUR), *Asheq Mahmud College.*
 SYLHET (HABIBGANJ), *Brindaban College.*
 SYLHET, *Mudan Mohan College.*
 SYLHET, *Murari Chand College.*
 SYLHET, *Sunamganj College.*
 SYLHET, *Women's College.*

GENERAL INFORMATION

This Univ. was established in 1921 under an Act of 1920, which provides for the constitution of Faculties of Arts, Science, Law, Agriculture, Medicine and Engineering. Special attention is devoted to Islamic Studies and to the needs of the Musalman community, but the Univ. is open to all, without distinction of sex, race, creed or class. It was originally a unitary and residential Univ., with a constitution resembling in many respects that of the modern English universities. But with the advent of Pakistan in 1947 it became an affiliating University also, assuming control over all Colleges (about 50 in number) in East Bengal. The Authorities of the Univ. include a Court, an Executive Council, an Academic Council, and Faculties; and the Teaching Staff has the main responsibility for all matters connected with teaching and exams. The students (other than those living under specially approved conditions) reside in Halls and Hostels, and the Univ. teachers in houses erected for them, in the Univ. domain. The domain consists of about a square mile of fine parkland, including over 100 acres of playing fields. It is adjacent to the Civil Station of Dacca and to a park called the Ramna, and lies from 1 to $1\frac{1}{2}$ miles north-west from the centre of Dacca City. It is provided with electric light and power.

The chief buildings for teaching and administrative purposes include: Central buildings, containing about 200 rooms (area 94,000 sq. ft.), used for Class-rooms and Library; Chemical and Physical Laboratories (area 26,500 sq. ft.); the Curzon Hall (which accommodates about 2000 persons); the Dacca Hall residence for 160 students; the Jagannath Hall for 200 students; the Salimullah Muslim Hall for 296 students; and the Fazlul Huq Muslim Hall for 160 students.

LIBRARY. 93,186 vols., and about 23,440 MSS. in Sanskrit, Bengali, Urdu, Persian, and Arabic. Annual Library grant, Rs. 22,500. The University MSS. Committee (Bengali and Sanskrit Section) have already collected c. 23,000 valuable Sanskrit and Bengali MSS. The Arabic, Persian, Urdu, and Punthi MSS. Committee have collected 440 rare and valuable MSS.

LABORATORIES. Physical, with metal and wood workshops; Chemical, with special arrangements for training in commercial analytic methods; Psychological, Biological and Soil Science.

FACULTIES. Arts, Science, Law, Agriculture, Medicine and Engineering.

ADMISSION. The standard required for admission to courses leading to degrees is that of the Intermediate examn. of an Indian Univ.

DEGREES, ETC. The duration of the courses of studies prescribed is as follows: for B.A. or B.Sc. ordinary, 2 yrs., with Honours, 3 yrs.; M.A. or M.Sc., 2 yrs., or in the case of a Dacca Honours B.A. or B.Sc., 1 yr.; B.T., 1 yr.; M.T., 3 yrs.; B.Com., 2 yrs.; B.L., 3 yrs. (All M.A. and Dacca Honours B.A., 2 yrs.); M.L., 3 yrs. The Ph.D., D.Litt., D.Sc., or D.L. are open to graduates of 3 yrs.' standing, but graduates of other Univs. must pursue researches in this Univ. for 2 yrs.; published research work required.

SCHOLARSHIPS open to graduates: 3 of Rs. 40 each p.m., 2 of Rs. 30 each p.m. and 9 of Rs. 16 each p.m. with exemption from tuition and examination fees, of which one is for depressed classes and one for women students, 3 of Rs. 30 each p.m. for scheduled castes (of which one is for women students), and 7 of Rs. 30 each p.m. for Muslims (of which one is for women students only). Research studentships: 10 of Rs. 65 each p.m.

FEES. Tuition, per session: for B.A., B.Sc., or B.L. course, Rs. 96; for B.Sc. with Honours in Physics and Chemistry, Rs. 120; M.A., Rs. 120; M.Sc.,

Rs. 144; Registration, Re. 1; Admission, Rs. 5; Athletic, Rs. 5; Students' Union, Rs. 3-8; Registration fee for Research students, Rs. 10; Enrolment of Registered Graduates, Rs. 5; Enrolment of Registered Graduates for Life, Rs. 25. **HOSTELS:** Seat-rent varies from Re. $\frac{1}{8}$ to Rs. 4 p.m., including cost of light, water, medical attendance, medicine, and servants. Cost of food about Rs. 30 p.m.

TUTORIAL CLASSES have been organized for all the Depts. of Study. All the teachers of the Univ. are engaged in this work under the control of the Heads of the Depts. and the Provosts.

PUBLICATIONS. *Prospectus* (December); *Annual Report* (November); *Bulletins*; *Calendar*.

THE YEAR 1946-47

NEW DEPARTMENT. A Faculty of Medicine has been instituted, with effect from July 1946, and a Faculty of Engineering, with effect from July 1947.

STUDENTS. Full-time: 819, including 193 graduates. Part-time: 177.

DEGREES. B.A. (Pass), 77; B.A. (Hons.), 60; M.A., 92; B.Com., 31; B.L. (July 1946), 5; B.L. (Feb. 1947), 2; B.Sc. (Pass), 36; B.Sc. (Hons.), 19; M.Sc., 39; Ph.D. (Arts), 1; Ph.D. (Science), 3; D.Sc., 2; B.Sc. (Agriculture), 14; B.Ag., 8; B.T., 67.

THE UNIVERSITY OF THE PANJAB

LAHORE

Founded 1882

PATRON—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.

CHANCELLOR—H.E. THE GOVERNOR OF THE WEST PANJAB.

VICE-CHANCELLOR—OMAR HAYAT MALIK, M.A., LL.B., Ph.D.

REGISTRAR—Captain M. BASHIR, B.Sc. Edin.

TEACHING STAFF

[(U.)=maintained entirely by the Univ.]

Dean of University Instruction—Omar Hayat Malik, M.A., LL.B., Ph.D.

Arabic

Kureshi, B. A., Ph.D. Berlin
Prof. and Hd. of Dept. (U.).

Arts and Crafts

Ahmed, Mrs. Anna M.
Hd. of Dept.

Astronomy

Hamid, S. A., M.A. Camb.
Curator.

Botany

Khan, S. A. Lodhi, M.Sc.
Hd. of Dept. (U.).

Chemistry and Technology

Bhatnagar, Sir B. S., O.B.E., D.Sc.,
F.Inst.P. Prof. Emeritus.
Duncliff, H. B., C.I.E., M.A.
Camb., Sc.D. Dub., F.R.I.C.
Prof. Emeritus.
Ahmad, B., B.Sc., Ph.D. Lond.
Director, Panjab Univ.
Inst. of Chem.
Ahmad, N., D.Sc. Munich
Director of Inst. of Tech.
Chem.

Economics

Kramat, U., M.A. Camb.
Offg. Hd. of Dept.

Geography

Ahmed, K. S., M.A. Alig., Ph.D.
Lond.
Reader and Hd. of Dept. (U.).

German

Kureshi, B. A., Ph.D. Berl., M.A.
Prof. and Hd. of Dept. (U.).

History

Wilson, Rev. R., M.A.
Offg. Hd. of Dept.

Journalism

Bustin, F. W. Offg. Hd. of Dept.

Mathematics

Lall, S. P., M.A.
Offg. Hd. of Dept. (U.).

Persian

Iqbal, M. Mohd., M.A. Alld., Ph.D.
Camb.
Prof. and Hd. of Dept. (U.).

Pharmaceutics

Rabbani, M., M.D. Hd. of Dept.

Physical Training

Lall, H. Director.
Birlas, Miss R. Directress.

Political Science

Akhtar, S. M., M.A., Ph.D. Lond.
Offg. Hd. of Dept. (U.).

Statistics

Zia-ud-Din., M, M A., Ph.D. Wales
Lectr. and Hd. of Dept. (U).

Zoology

Ahmad, N., M Sc, Ph D
Offg. Hd of Dept. (U).

HONOURS SCHOOL IN PHYSICS

Head of Dept. and Director of Laboratory—Majid, A Mian, M Sc., Ph D.

UNIVERSITY COLLEGES

ORIENTAL COLLEGE, LAHORE. Principal, and Prof. of Persian—M. Mohd. Iqbal, M.A. Alld., Ph.D. Camb. M.A. courses in Arabic, Persian and Sanskrit; M.O.L. in all subjects.

LAW COLLEGE, LAHORE. Principal—A. Q. MALIK, B.A. Courses up to LL.M.

THE HAILEY COLLEGE OF COMMERCE, LAHORE. Principal—M. Hassan, M.A. Courses up to M.Com.

TECHNICAL COLLEGES IN LAHORE AFFILIATED TO THE UNIVERSITY, MAINTAINED BY THE GOVERNMENT OF THE WEST PANJAB

Engineering

LAHORE, *Punjab College of Engineering and Technology*. B.Sc. (Eng., Civil, Mech. and Elect.). Principal—S. D Muzaffar, M.Sc., Ph.D.

Medicine

LAHORE, *K.E. Medical College*. M.Sc.—Physiol., M.B., B.S., M.D., M.S., D.L.O. Principal—Col. E. Bakhsh, M.B., M.Ch., F.R.C.S.Ed.

Dentistry

LAHORE, *de Montmorency College of Dentistry* (Govt.). B.D.S. Principal—A. Haq, M.B., B.S., B.D.S.

Veterinary Science

LAHORE, *The Panjab Veterinary College*. B.V.Sc. Principal Major S. M. Sarwar, M.B.E.

Teaching

LAHORE, *Central Training College*. B.T. Principal—B. A. Hashmi, M.A., M.Ed.

LAHORE, *Islamia College for Women*. B.T. Principal—Miss V. Thakur Dass, B.A. Camb.

LAHORE, *Lady MacLagan Training College for Women*. B.T. Principal—Mrs. Nazir.

TECHNICAL COLLEGES OUTSIDE LAHORE AFFILIATED TO THE UNIVERSITY

LYALLPUR, *Agricultural College* (Govt.). B.Sc. (Ag.), M.Sc. (Ag.). Research Depts. in Ag., Bot., Chem., Zool. and Entomol. Principal—K. A. Rahman, B.Sc., Ph.D.

PESHAWAR, *Islamia College*. B.Sc. (Ag.). Prof. of Ag.—M. M. Ahmad, B.Sc. Agric. Edin.

AFFILIATED COLLEGES RECOGNIZED IN DEGREE OR DIPLOMA COURSES

B.A., M.A., etc.—A., B., C., E., Ec., F., Geog., G., H., Hi., M., Mil., Min., P., Pb., Ph., Pol. Sc., Ps., Psych., S., Tech. Ch., Z. Affiliated up to B.A., M.A., etc., in Arabic, Astronomy, Botany, Chemistry, English, Economics, French, Geography, Geology, History, Hindi, Maths., Military Science, Mineral, Persian, Panjabi, Philos., Pol. Science, Physics, Psychol., Sanskrit, Technical Chemistry, Urdu and Zoology.

Arts and Science

BAHAWALPUR, *Saddiq Egerton College*. M.A.—M., E.; B.A.—A., E., H., Ec., Hi., M. (A and B Courses), P., Ph., S., U. Principal—P. A. Rashid, M.A.

CAMPBELLPUR, *Govt. College*. B.A.—E., H., Ph., Ec., M. (A and B Courses), A., P., S., U., Hi., Pb. Principal—M. M. Rashid, M.A.

DERA ISMAIL KHAN, *Govt. College*. B.A.—E., Ec., H., Hi., M. (A and B Courses), P., Ph., Pol. Sc., S., U. Principal—F. M. Khan, M.Sc., LL.B., B.T.

D. G. KHAN, *Govt. College*. B.A.—E., Ec., Ph., Geog., H., Pol. Sc., M. (A and B Courses), S., A., P., U., Hi. Principal—Kh. G. Abbas, M.A.

GUJRANWALA, *Islamia College*. B.A.—A., E., Ec., G., H., Hi., M., P., Ph., U. Principal—.....

GUJRAT, *Zamindara College*. B.A.—E., P., S., A., M., Ec., Ph., Pol. Sc., H., U., Pb., Hi. B.Sc.—Ps., C. Principal—Taj Mohd. Khayal, M.A.

JHANG, *Govt. College*. B.A.—A., E., Ec., G., H., M., P., Ph., Pol. Sc., U. Principal—M. C. M. Sadar, B.A. Ox.

LAHORE, *College for Women*. M.A.—E.; B.A.—A., C., E., Geog., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U.; B.Sc.—E., C., B. Principal—Mrs. Durrani, B.A. Camb.

LAHORE, *Dyal Singh College*. M.A.—Ec., H., M., P., Ph., Pol. Sc. Principal—A. A. Abid, M.A., LL.B.

LAHORE, *Forman Christian College*. M.A.—E., Ec., H., M., Pol. Sc., Psych.; M.Sc.—C., M. Under control of Panjab Mission of American Presb. and Amer. Meth. Epis. Churches. Principal—Rev. C. H. Rice, M.A., Ph.D.

LAHORE, *Government College*. M.A.—A., C., E., Ec., H., M., Ph., Pol. Sc., Ps., Psych., S.; M.Sc.—B., C., M., Ps., Z. Principal—A. S. Bokhari, M.A. Camb.

LAHORE, *Islamia College*. M.A.—A., Ec., H., M., P., Ph., Pol. Sc. Principal—S. M. Akhtar, M.A., Ph.D.

LAHORE, *Islamia College for Women*. M.A.—A.; B.A.—A., Ec., H., M., P., Ph., Pol. Sc., Geog., U. Principal—Miss V. Thakar Dass, B.A. Camb. and Panj.

LAHORE, *Kinnaird College for Women*. B.A.—A., E., Ec., Geog., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U. Principal—Miss I. T. McNair, M.A. Glas.

LAHORE, *M.A.O. College*. B.A.—A., E., Ec., H., M., P., Ph., Pol. Sc., U. Principal—D. Hussain, M.A., Ph.D.

LAHORE, *Talim-ul-Islam College*. B.A.—A., C., E., H., M. (A and B Courses), P., Pol. Sc., S., U. Principal—M. A. Ahmed, M.A. Ox.

LYALLPUR, *Government College*. B.A.—A., E., Ec., H., Hi., M. (A and B Courses), Mil., P., Pb., Ph., Pol. Sc., Ps., S., U. Principal—H. Khan, M.A.

LYALLPUR, *Government College for Women*. B.A.—E., H., Ph., M. (A and B Courses), Geog., S., P., Ec., U., Hi., Pb. Principal—Miss W. P. Jacob, B.A., T.D.

LYALLPUR, *Islamia College*. B.A.—A., E., Ec., H., M., P., Ph., Pol. Sc., U. Principal—.....

MULTAN, *Emerson College*. B.A.—A., E., Ec., H., Hi., M. (A and B Courses), P., Ph., Pol. Sc., Ps., S., U. Principal—S. A. Shah, M.A.

MULTAN, *Govt. College for Women*. B.A.—A., E., Ec., G., H., M., P., Pb., Ph., Pol. Sc., U. Principal—.....

PESHAWAR, *Edwards College*. B.A.—C., E., G., Hi., M., Pashto, Ph., Ph., U. Principal—Rev. A. M. Dalaya, M.B.E., B.A., I.L.B.

PESHAWAR, *Islamia College*. M.A.—E., M., P.; B.Sc.—B., C., E., Mil., Ps., Z. Principal—A. C. T. Brotherton, M.A. Edin.

RAWALPINDI, *Gordon College*. M.A.—E.; B.A.—A., E., Ec., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U. B.Sc.—A., B., C., E., Ps. Principal—R. R. Stewart, M.A., Ph.D. Columbia.

SARGODHA, *de Montmorency College*. B.A.—A., E., Ec., H., Hi., M., P., Pb., S., U., Geog. Principal—M. A. Makhdumi, M.A.

SIALKOT, *Murray College*. Maintained by Panjab Mission of Church of Scotland. M.A.—Ph., E.; B.A.—A., E., Ec., H., Hi., M. (A and B Courses), P., Ph., Pol. Sc., U., Geog., Mil., Pashto, C. Principal—E. D. Leslie Scott, M.A., B.D. Edin.

GENERAL INFORMATION

Established in 1882, the University confined its activities, until 1919, mainly to examinations, the control of affiliated institutions and the provision of instruction in its Oriental and Law Colleges. It has since 1919 undertaken the maintenance of Univ. teaching Depts. for Post-graduate instruction and research and co-ordination of advanced teaching. Honours Schools have been established in Botany, Zool., Chem. and Physics and postgraduate teaching is provided in Econ., Arabic, Sanskrit, Statistics, Persian, Maths., Hist., Polit. Sci. and Geog. Besides the Univ. Profs. and Readers and Lecturers, senior teachers of the local colleges are associated with the Univ. teaching. Three Honours Papers have been instituted in English, Maths., Econ., Philos., Hist., Sanskrit, Arabic, Persian, Geog., Zool. and Psychol. The University also maintains Colleges of Commerce, Law and Oriental studies.

Univ. Classes are also held in Statistics, Journalism, German, Pharmacy, Music and Arts and Crafts. Steps are being taken to introduce instruction in Asiatic languages such as Russian, Chinese, Japanese, etc., and to institute a Diploma in Librarianship and degree of Master of Education.

LIBRARY, 120,275 vols., including MSS. (arranged on Dewey Decimal system). Departmental and Seminar LIBRARIES: Botany, Zoology, History, Economics, Physics, Chem. and Geog. Chemical and Technical Chemistry LABORATORIES. ASTRONOMICAL OBSERVATORY.

FACULTIES. Oriental, Arts, Law, Med., Sci., Agric., Comm., Engin., Dentistry, Vet. Sci. and Education.

DEGREES. B.A., M.A., Ph.D., D.Litt.; B.Com., M.Com.; B.Sc., M.Sc., Ph.D., D.Sc.; B.Sc. Eng., M.Sc. Tech.; B.Sc. (Agr.), M.Sc. (Agr.); I.L.B., I.L.M., I.L.D.; M.B., B.S., M.D., B.D.S.; B.V.S.; B.T.; (in Oriental Learning) B.O.L., M.O.L., Ph.D., D.O.L.

In the Faculty of Oriental Learning a 2 yrs.' course from Matricn. leads to an Intern. examn., and further courses of 2 yrs., 1 yr. and 2 yrs. to the B.O.L., M.O.L. and D.O.L. successively. Examns. are also held for Proficiency, High Proficiency and Honours in Arabic, Sanskrit and Persian. Honours admit to the Oriental titles : Maulvi Fazil (Arabic), Shastri (Sanskrit) and Munshi Fazil (Persian); High Proficiency to Maulvi Alam, Visharada and Munshi Alam; and Proficiency to Maulvi, Prajana and Munshi. Similar examns. are held in Urdu, Hindi, Panjabi (in Gurmukhi and Persian Script) and Pashto.

RECOGNITION OF OTHER INSTITUTIONS. Examns. of other approved Universities are recognized by the Syndicate.

THE UNIVERSITY FOREIGN INFORMATION BUREAU. The Bureau advises and helps students who go abroad for advanced studies.

RESIDENCE. Undergraduates in Lahore Colleges, unless living with their guardians, are ordinarily required to reside in College hostels or in hostels recognized by the Univ.

GRANTS TO COLLEGES. Grants are given by the Univ. to Mofussil Colleges for carrying on research work, and to the Colleges affiliated up to the M.A. standard for library books required for use by M.A. students.

EXTENSION LECTURES. Extension lectures by eminent scholars are arranged by the Univ. at Lahore and Mofussil Colleges. The following lectures by Professors from various Foreign Univs. were delivered during the year : Prof. L. Dudley Stamp, D.Sc.—Subject : "Land Utilization and Land Planning." Prof. Merle Curtis, Ph.D.—Subjects : "The Federal System in the United States"; "Religious Diversity and Toleration in America"; "The Impact of Science and Technology on American Civilization." Prof. Oscar Riddle, Ph.D., LL.D., D.H.O.—Subject : "Hormones and Constitution." Prof. William Brown—Subject : "University Education in Great Britain." Dr. Harley Shapley—Subject : "The Universe around Us." Dr. William Edwards, M.A., Ph.D.—Subjects : "American Foreign Policy"; "Current Problems of American Politics."

ENDOWMENTS AND SCHOLARSHIPS. There are 70 Endowment Funds for the award of prizes, medals and scholarships to the students. In addition, there are numerous University scholarships : 80 for the Matricn. examn.; 40 for the Intermediate examn.; and 23 scholarships in various subjects tenable for 2 to 4 yrs. Indo-Oriental Studies, Hist., Sanskrit, Pali or Prakrit, Arabic, Panjabi, Science, Physics and Maths. A postgraduate State scholarship open to graduates of the Univ. between 21 and 25 yrs. of age for study in a recognized Univ. in the United Kingdom.

PUBLICATION. *Calendar* (Sept.), Rs. 6-0-0.

THE YEAR 1946-47

NEW DEVELOPMENTS. Affiliation has been granted to 5 new Colleges and 2 Colleges have been raised from the Intermediate to the Degree standard. A Dept. of Physical Educn. for women has been established, and Miss Birlas, B.A., appointed Head of the Dept. The Univ. has suffered the loss of 56 of its affiliated Colleges as a result of the partition of the Province.

The M. and S.L.C. examns. previously split into two parts have again been combined. Music as an additional subject and Civics as an elective subject have been introduced for the Matricn. and Intermediate examns. respectively. A postgraduate Diploma in Fine and Commercial Art has been instituted.

Graduates in Science and Arts with Physics and Maths. (A) Course are permitted to proceed to the M.Sc. Degree by examn. after 2 yrs.' study. It has been proposed to introduce Nursing in the Intermediate Standard.

REFUGEE STUDENTS. On account of the disturbed conditions resulting from the partition of the Province there was a great influx of Refugee students. Special facilities have been provided for their examns. and instruction, etc.

STUDENTS. Numbers not given.

DEGREES. B A., 1835; B.A. (Hons.), 145; M.A., 783; B.Com., 48; M.Com., 1; B.T., 157; LL.B., 41; LL.M., 5; B.Sc. (Hons.), 149; M.Sc. (Hons.), 53; B.Sc. Engineering (Mech, Elect. and Civil), 41; B.Sc.Agr., 49; M.B., B.S., 444; M.D., 9; B.D.S., 25; Diplomas, 3.

UNIVERSITY OF SIND KARACHI

Founded 1947

CHANCELLOR—H.E. THE GOVERNOR OF SIND.

PRO-CHANCELLOR—THE PREMIER IN THE GOVERNMENT OF SIND.

VICE-CHANCELLOR—Prof. A. B. A. HALEEN, B.A. Ox.

REGISTRAR—T. A. AGHA, B.A., B.T. Bom.

DEPUTY REGISTRAR—B. J. VASWANI, M.A. Bom.

DEAN, FACULTY OF ARTS—THE VICE-CHANCELLOR.

DEAN, FACULTY OF SCIENCE—M. B. PITHWALLA, M.A., B.Sc., Ph.D.

FACULTY OF LAW—Hon. JUSTICE TYABJEE, B.A., LL.B.

FACULTY OF MEDICINE—LT.-COLONEL A. K. M. KHAN, F.R.C.S.

FACULTY OF TECHNOLOGY—A. M. SHAIKH, Ph.D.

FACULTY OF RELIGIOUS STUDIES—MAULVI SYED ALI AKBER SHAH.

DEPARTMENT OF SINDHI LANGUAGE AND LITERATURE—K. B. Md. SIDIK
MENON, B.A., B.T.

CHAIRMAN—UNIVERSITY MILITARY TRAINING—Col. NUR KHAN.

DIRECTOR OF COURSES—Captain SHAIKH MOHD. KHASIM.

AFFILIATED INSTITUTIONS RECOGNISED IN DEGREE COURSES

The Colleges in Sind affiliated to this University represent almost all
Faculties, as mentioned below:

Arts

HYDERABAD, SIND, *D. G. N. College.* M.A.

HYDERABAD, SIND, *S. M. College.* Intermediate.

KARACHI, *B. A. A. College of Commerce.* B.Com.

KARACHI, *D. J. Sind College.* M.A. and Ph.D.

KARACHI, *Pir Illahi Bux S. T. College.* B.T.

KARACHI, *S. M. College.* M.A. and Ph.D.

SHIKARPUR, *C. and S. College.* M.A.

Science

HYDERABAD, SIND, *D. G. N. College.* B.Sc.

KARACHI, *D. J. Sind College.* M.Sc. and Ph.D.

KARACHI, *S. M. College.* Intermediate.

SHIKARPUR, *C. and S. College.* Intermediate.

Medicine

KARACHI, *Dow Medical College.* M.B., B.S.

LawKARACHI, *S. C. Shahani Law College.* LL.M.KARACHI, *Sind Muslim Law College.* LL.B.**Technology**KARACHI, *N. E. D. Engineering College.* B.E.SAKRAND, *King George Institute of Agriculture.* M.Sc.Agric.**Religious Studies**

No separate College.

GENERAL INFORMATION

The idea of a separate University for Sind was first broached in the year 1886, when the European Principal of the first college in Sind, the D. J. College, Karachi, foretold of a time when the province would need a separate University to serve its distinctive cultural needs. The idea was based on the fact that Sind, though connected administratively with Bombay for a long time, was a distinct cultural unit, with a language and literature of its own, and with economic and geographical features of its own. The idea lay dormant until, in 1934, the Government of India appointed a committee to consider the administrative requirements of Sind as a separate province in view of the coming autonomy which was to be an important feature of the Government of India Act of 1935. This committee, presided over by Sir Hugh Dow, emphasized the necessity of cultural autonomy for Sind as an inevitable sequel to political autonomy. The idea suffered many vicissitudes until in 1940 the autonomous Government of Sind appointed the Sind University Committee with comprehensive terms of reference to go into the entire problem of a separate University. The Report was issued in the year 1941, and it covered the entire ground of organizational and academic issues involved. But action on the Report was delayed by several causes, till a regular Bill for the creation of a separate University for Sind was introduced in the local legislature in 1945, and passed finally into an Act in the year 1947. The appointment of the Vice-Chancellor was made in April, and that of the Registrar in June 1947; the first nominated Senate met on the 24th June 1947, and the University may be said officially to have started its session from that date.

The University is, for the present, an affiliating and examining Univ., like the Univs. of Bombay, Madras, Calcutta, Panjab and Agra, and for the first year of its working it has adopted almost all the courses of study and all the Ordinances and Regulations of the Univ. of Bombay.

Schemes of postgraduate teaching and research are well on the way to early execution, and it is proposed that Colleges will, in the future shape of things, be confined to teaching up to the First Degree, and all Postgraduate teaching will be directly undertaken by the Univ.

Among the research depts. in which a start has already been made is Sindiology, a dept. which will organize extensive surveys in every field of research connected with the history of Sind, its literature, language, folklore, economic conditions, material resources (actual and potential), education, etc.

Religious Education and Military Training are among other subjects of importance to which the University has assigned top priority in its schemes of future developments. In fact, Religious Knowledge is one of the subjects in compulsory groups for the Matriculation, Intermediate and First Degree Exams. of 1950 and thereafter.

A Foreign Universities' Bureau of Information has already been set up, and

it has been in a position from April 1948 to guide all such students in Western Pakistan as desired to be properly placed in the Universities of U.K. and U.S.A.

The University is spending a sum of Rs. 30,000 on the nucleus of a Library in the first year, and a substantial sum will be set apart for the purpose every subsequent year.

An extensive and very healthy plot of land has been secured from the provincial Government for building up, over a period of years, a regular University Town, at an aggregate cost of nearly five million rupees.

THE ROYAL UNIVERSITY OF MALTA

Founded 1769

Address—St. Paul Street, Valetta.

PATRON—H.M. THE KING.

CHANCELLOR—H.E. THE GOVERNOR OF MALTA.

VICE-CHANCELLOR AND RECTOR MAGNIFICUS—Prof. the Hon. R. V. GALEA, O.B.E., D.Sc.

SECRETARY AND LIBRARIAN—JOS. L. PACE.

TEACHING STAFF

<i>Anatomy and Histology</i>	Mamo, A. J., B.A., LL.D. (Crim. L. & Proced.)	Prof.
Briffa, J., B.Sc., M.D.	..... (Hist. of Legislatn. in England and Malta)	Prof.
<i>Applied Chemistry</i>	Xuereb, J. H., LL.D. (Science of Law)	Prof.
Mifsud, V. J., M.D.	<i>Maltese and Oriental Languages</i>	
<i>Biology</i>	Aquillina, J., B.A., LL.D., Ph.D. Lond.	Prof.
Vella, Salv. L., B.Sc., M.D., D.L.O. (Eng.), F.L.S.	<i>Mathematics, Pure and Applied</i>	
<i>Chemistry</i>	Fenech, G., B.Sc. Lond.	Actg. Prof.
Farrugia, P., B.Sc., M.D.	<i>Medicine and Surgery, v. infra</i>	
<i>Engineering and Architecture</i>	<i>Philosophy</i>	
Colombo, J., B.Sc., B.E. & A. (Archit.)	Grima, Rev. S., J.C.B., Ph.D., S.Th.D. Rome	Prof.
Terreni, Lt.-Col. Jos., O.B.E., B.E. & A. (Munic. Engin.)	<i>Physics</i>	
Galea, V. R., M.A. Ox., B.Sc., B.E. & A. (Civil Engin.)	Manchè, J., B.Sc., M.D.	Prof.
<i>English Literature and History</i>	<i>Physiology and Biochemistry</i>	
Fogarty, O. J., B.A. N.U.I.	Ganado, W., B.Sc., M.D.	Prof.
<i>Experimental Sciences</i>	<i>Political Economy and Statistics</i>	
Neumann, Z., B.Sc., M.D., D.C.H.	Anastasi Pace, J., B.Sc. (Econ.)	Prof.
<i>Latin Literature</i>		
Seaton, Rev. G. J., M.A. Camb.	<i>Theology</i>	
<i>Law</i>	Zarb, Rev. Fr. S. M., O.B.E., S.Th.M., S.Script.D.	
Cremona, F., LL.D.	..... (Dogm. T.)	Prof.
..... (Comm. L.)	Bonnici, Most Rev. Can. Mgr. C., D.D., B.L. Can.	
..... (Const. and Internat. L.)	(Moral T.)	Prof.
Prof.		
Caruana, V., B.Lit., LL.D. (Civil L.)		
Prof.		

Saydon, Very Rev Mgr P P.,
Lic S Script. Rome, B.Lit.,
B L. Can., D D.

(Holy Script., Biblical
Greek and Hebrew)
Prof.

Bonnici, Most Rev. Can. Mgr. A.,
B.A., B L. Can., D D.

(Hist. of the Church and
Christian Archaeology)
Prof.

Sapiano, Rev. J., Ph.D., S.Th.L.
(Patrology and Liturgy)
Prof.

Tabone, Rev. Fr. P.
(Canon Law) Prof.

Medicine

(for subjects of first 2 yrs.—
Anat., etc., v. *supra*)

Anæsthetics

Podestà, C. H., B.Sc., M.D. Lectr.

Bacteriology, Parasitol. and Path.

Vincenti, R., M.D. Prof.
Boffa, Hilda, B.Sc., M.D. Demr.

Forensic M. and Toxicology

Galea, J., D.P.H. Liv., M.D. Prof.

Materna M., Pharmacol. and Therap.

Zammit Maempel, J V, M.D. Prof.
Medicine

Debono, J E, B.Sc., M.D. Prof
Lanfranco, A., B.Sc., M.D. Demr.

Mental Diseases

Vassallo, V., M.D. Naples, D P.M.
Prof.

Midwifery and Gynæcology

Ellul, J., B.Sc., M.D., F.R.C.O.G.
Prof.

Mattei, S. F., B.Sc., M.D. Demr.

Ophthalmology

Preziosi, Cont. Sir Luigi, Dip.
Ophth. Ox., B.Sc., M.D. Prof.

Pathology, v. Bact. and Pathol.

Social and Preventive Medicine
Briffa, A., D.P.H. Liv., M.D. Prof.

Surgery

Debono, P. P., O.B.E., M.D.,
D.P.H. Camb., F.R.C.S. Eng.
Prof.

Venerology and Dermatology

Curmi, V. M., M.D. Naples Prof.

Dental Surgery

Lapira, E., D.S. Prof.

GENERAL INFORMATION

Founded in 1769 by Grand-Master Fra Emmanuel Pinto de Fonceca of the Order of St John under the authority of Pope Clement XIV., the University is lodged in a building erected by the Jesuit Fathers in 1591-93 for a College, whilst its Medical Faculty originated in a School of Anatomy founded in 1674 by Grand-Master Nicolas Cottoner in the Great Hospital of the Order, which accommodated 745 patients. By an Ordinance promulgated in 1947, the Univ. is governed by a Council consisting of the Chancellor as President, the Vice-Chancellor and Rector Magnificus as Vice-President, a representative of the Inter-University Council for Higher Education in the Colonies, six members from the Legislature of Malta, six Members elected by the Senate of the Univ., one Member from the Guild of Graduates and three Members appointed by the Chancellor in consultation with the Vice-Chancellor. A Senate consisting of twelve members, six elected by the Faculties and six appointed by the Chancellor, to deal with questions regarding teaching and discipline, was also by this Ordinance instituted.

The Council is the supreme authority of the University.

LIBRARY, 10,000 vols. A public library maintained in connexion with the Univ. contains over 100,000 vols. and is rich in MSS. and rare editions of great historical interest. **MUSEUMS**: Nat. Hist. and Archæol. **OBSERVATORY**, full meteorol. equipment and seismograph. **BOTANICAL GARDEN**. **HOSPITALS**, available for Clinics: general (300 beds) and several special—Leprosy Hospital (80); Mental Diseases (835); Aged Poor (930).

FACULTIES: Literature, Science, Engineering and Architecture, Theology, Laws, Medicine.

MATRICULATION examn. requires pass in 5 subjects, including English (Language and Literature), Maltese, Mathematics and two other optional subjects at the choice of candidates. Latin is obligatory for the Faculty of Literature.

DEGREES, ETC. B.A., B.Sc., B.D., Lic.D., B.Arch., B.Eng., B.Ch.D., M.Arch., M.Eng., M.D., LL.D., D.D. Diploma of Architect and Civil Engineer, Notary Public, Legal Procurator, Pharmacist, Dental Surgeon.

SCHOLARSHIPS FOR GRADUATES. Govt. Travelling Scholarship of £300—awarded every 3 yrs., one each in Theol., Laws, Med. and Engin. The Aubrey Causton Strachan Scholarship of £120—awarded every 6 yrs. in the Faculty of Med. The Bugeja Scholarship of £50—awarded every 3 yrs., one each in Theol., Law and Med. The Lorenzo Gatt Scholarship of £50—awarded every 3 yrs. to the student in Engin. who secures the Govt. Travelling Scholarship. The Francis Gambin Scholarships, awarded every 3 yrs. in Theol., Laws, Med. and Surg., and Engin. and Archit. The Rhodes Scholarship, awarded every year.

PUBLICATION. *Calendar* (Oct.).

THE YEAR 1946-47

STUDENTS. Full-time: 234, including 38 graduates. Part-time: 40.

DEGREES, 1947. B.D., 7; Lic.D., 2; M.D., 3; D.Sc. (honoris causa), 1.

UNIVERSITY OF HONG KONG

Founded 1911

PATRON—H.M THE KING.

CHANCELLOR—H.E. THE GOVERNOR OF HONG KONG.

VICE-CHANCELLOR—D J. SLOSS, C.B.E., M.A. Liv., LL.D. Liv.

REGISTRAR—B. MELLOR, M.A.

TEACHING STAFF

<i>Accounting and Business Practice</i>		<i>English</i>	
.....		Simpson, R K. M., M.C., M.A.	
<i>Anatomy</i>		Edin.	Prof.
.....		Birch, B. G., M.A. Bristol	Sr. Lectr.
<i>Biochemistry</i>		Oblitas, R., M.A. Camb.	
.....	Reader.		Lectr. and Tutor.
<i>Biology</i>		<i>Ethics</i>	
Sum, Ng. C., B.Sc.		.....
Hing, T. K., B.Sc.		<i>French</i>	
<i>Chemistry</i>		.....
Wilson, J. P., M.Sc., D.Phil. Lond.		<i>Geography</i>	
	Lectr.	Casey, Rev. G., M.A.	
Chung, Mrs. Ada, B.A.			Pt.-time Lectr.
Chau, Y. P., B.A.		<i>History</i>	
Haan, Miss Hui Wai, B.A.		Endacott, G. B., M.A.	
<i>Chinese</i>		<i>Logic</i>	
Kiam, M., M.A. Columbia (Lit.)		Cronin, Rev. F.	
	Lectr.	<i>Mathematics</i>	
Po, C. K., B.A.	Lectr. & Tutor.	Faid, Mrs. J. E., B.Sc. Durh.	
<i>Commerce</i>			Lectr.
.....		<i>Philosophy</i>	
<i>Economics and Political Science</i>		.....
Robertson, R., M.A. Edin.	Prof.	<i>Physics</i>	
<i>Engineering</i>		Davies, D. F., M.A.	Prof.
.....		Cook, E. O., D.Phil., M.Sc. Durh.	
Weller, F. C. (Workshop practice)	Instr.		Lectr.
Allen, Eng. Commander (Engin.		Po, U., B.Sc.	Demr.
Drawing)	Pt.-time Lectr.	Mi, H. P., B.A.	Demr.
		<i>Medicine</i>	
		<i>Medicine</i>	
		McFadzean, A. J. S., M.B., Ch.B.	
		Glas.	Prof

<i>Obstetrics and Gynæcology</i>	<i>Physiology</i>
King, G., F.R.C.S., F.R.C.O.G	Ride, L. T., C B E., M.A., D.M.,
Prof	B Ch Ox Prof.
Other appts. pending .	<i>Radiology</i>
<i>Ophthalmology</i>	.....
.....	<i>Surgery</i>
<i>Pathology</i>	Stock, F E., M.B., B.S. Lond.,
.....	D.T.M. and H Ed., F R.C.S.
<i>Pharmacy</i>	Prof.
.....	<i>Vaccination</i>
<i>Pharmacology</i>	.....
.....	<i>Veneral Diseases</i>

GENERAL INFORMATION

The University of Hong Kong was incorporated in 1911 and formally opened in 1912. Just before the outbreak of the war in the Pacific the University seemed set for a period of expansion, and plans had been initiated for a considerable programme of development. These prospects were abruptly dispelled by the outbreak of hostilities, and all University work was brought to a complete standstill. With the fall of the Colony, wholesale looting took place, to be followed later by actual demolition of some of the buildings, so that when it was possible to reopen the University, in October 1946, the rehabilitation task to be faced was immense. In every department except the Library, which had been partially looted but not destroyed, the work had to be commenced from the bottom. Not only had equipment vanished but in most buildings every vestige of woodwork had also disappeared. But losses were not merely material. The University suffered grievously in loss of personnel. During the actual fighting and the years of internment which followed for most of the staff, three professors and three lecturers lost their lives.

Two members of the staff who escaped were able to assist students who made their way into Free China, and arrangements were made for over 200 of these students to complete their studies as guest students in Chinese Universities.

Normally the supreme governing body of the University is the Court, with the Governor of Hong Kong as Chancellor and Chairman. The executive body is the Council, composed of the Vice-Chancellor, the Treasurer, certain government officials and Chinese members of the Legislative Council, the Deans of the Faculties, two representatives of the commercial community and two additional members approved by the Chancellor. The Senate, which deals with academic matters, is composed of the Vice-Chancellor, the Director of Education, and the Professors and Readers.

This machinery of administration, however, was impossible when the Univ. was reopened, and therefore early in 1946 the Secretary of State for the Colonies approved a Committee, established by Order in Council under the title of the University of Hong Kong Provisional Powers Committee, to deal in London with financial obligations and re-equipment. This Committee was later transferred to Hong Kong, and has throughout the year 1946-47 been the supreme University body. The duties of Senate and Faculties have been administered by an Interim Committee and a Board of Studies. At the end of the academic year, however, steps were well under way for the re-establishment of the essential University bodies mentioned above.

In June 1946, under the auspices of the University of London, a matriculation examn. was held. Successful candidates, and those who held Cambridge School and other certificates exempting them from matriculation, were thus able to commence their studies when, on October 23, the Univ. formally reopened with first-year classes only. Though the formation of the Faculties must wait till the creation of the Senate, courses leading to medicine, engineering, arts and science were started, the enrolment being somewhat over a hundred.

Throughout the academic year steady progress against heavy odds was made, the major difficulty being equipment. Buildings have been reconditioned at great cost, and apparatus has been slowly arriving from home. The quality of the work of these first post-war students has been noticeably high, and the results of the first-year examinations were gratifying.

Though it falls outside the year under review it is satisfactory to report that the year 1947-48 saw the largest influx of new students on record.

FEES. Tuition fees have been raised from \$400 to \$500. Hostel residence is compulsory for men students. As a result of the high cost of living hostel fees have been high—about \$200 a month—but every effort is being made to reduce this charge.

UNIVERSITY OF CEYLON

COLOMBO

Founded 1942

CHANCELLOR—H E. THE GOVERNOR-GENERAL.

PRO-CHANCELLOR—THE MINISTER OF EDUCATION

VICE-CHANCELLOR—SIR IVOR JENNINGS, M.A , LL B , Litt D. Camb.,
LL.D. Lond.

REGISTRAR—A. M. K. CUMARASWAMY, B.Sc. Lond.

ASSISTANT REGISTRAR—H J. BALMOND, B.A. Lond

LIBRARIAN—R. S. ENRIGHT, B.A. Lond., F.L.A.

ASSISTANT LIBRARIANS—P. KANDIAH, B.A. Lond., M.A. Camb. ; K. D.
SOMADASA, B.A.

TEACHING STAFF

Anatomy, v. Medicine

Arabic

Imam, A., M.A. Alig., Ph.D. Bonn
Lectr. and Hd. of Dept.

Botany

Newman, I. V., M.Sc. Syd , Ph.D.
Lond.

Prof. and Hd. of Dept.
de Silva, B. L. T., M.Sc. Lond.

Lectr.
Abeywickreme, B. A., B.Sc. Lond.
(on leave) Asst. Lectr.

Dissanayake, M. D., B.Sc.
Asst. Lectr.

Tambiah, M. S., B.Sc. Asst. Lectr.

Chemistry

Kandiah, A., Ph.D., D.Sc. Lond.
Dean, Fac. of Science,

Prof. and Hd. of Dept.
Fonseka, E. L., M.Sc., Ph.D

Lond. Reader.
de Silva, C. L., B Sc. Lond.

Lectr.
Sultan Bawa, M.U., B.Sc Lond.

Asst Lectr.
Alles, B. J. P., B.Sc. Lond., B.Sc.

Asst. Lectr.

Devanathan, M. A. Y., B.Sc.

Asst Lectr.

Ludekens, W L. W., B.Sc.

Asst. Lectr.

Civil Engineering

Pereira, E. O. E., B Sc. Lond.,
B A Camb.

Prof. and Hd. of Dept.

Classics

Rodrigo, J. L. C., B.A. Lond.,
M.A. Ox.

Prof. and Hd. of Dept.

Amerasinghe, C. W., B.A. Lond.,
M.A. Camb. Lectr.

Wickremanayake, G. H., B.A.
Lond. Lectr.

Pathmanathan, R. Sri., B.A.
Asst. Lectr.

Economics

Das Gupta, B. B., M.A., Ph.D.
Calc., B.Sc. (Econ.) Lond.

Dean, Fac. of Arts, Prof.
and Hd. of Dept.

Jayasuriya, F. R., B.A., B.Sc.
(Econ.) Lond. Lectr.

Gunasekera, H. A. de S., B.A.
(on leave) Asst. Lectr.

Mukerji, K. P., M.A. Calc., D.Phil.
Heidelberg Asst. Lectr.

Sarkar, N. K., M.A. Calc.
Asst. Lectr.

Weerawardena, I. D. S., B.A.
Asst. Lectr.

English

Ludowyk, E. F. C., B.A. Lond.,
M.A., Ph.D. Camb.

Prof. and Hd. of Dept.

Passé, H. A., B.A. Lond.
(on leave) Lectr.

de Souza, A. T. A., B.A. Lond.
Lectr.

de Chickera, E. B., B.A. Lond.
(on leave) Asst. Lectr.

Geography

Lebon, J. H. G., B.Sc. (Econ.),
Ph.D. Lond.

Prof. and Hd. of Dept.

Kularatnam, K., M.A. Lond.
Asst. Lectr.

History

Ray, H. C., M.A. Calc., Ph.D.,
Litt.D. Lond.

Prof. and Hd. of Dept.

LaBrooy, W. J. F., B.A. Lond.
Lectr.

Mendis, G. C., B.A., Ph.D. Lond.
Lectr.

Pinto, Rev. Fr. S. I., B.A. Lond.,
M.A. Ox., B.D. Rome Lectr.

Sinha, D. P., B.A. Calc., M.A.
Lond. Asst. Lectr.

Vimalananda, T., M.A. Calc.

Law

Soertez, Sir Francis, LL.B. Lond.,
K.C. Prof. and Hd. of Dept.

Nadaraja, T., B.A. Camb.* Lectr.

Mathematics

Gulasekharan, F. H. V., M.A.
Madr. Prof. and Hd. of Dept.

Caspersz, U. D. R., B.Sc. Lond.
Reader.

Nadarasar, S., M.A. Camb., B.Sc.
Lond. Lectr.

Eliezer, C. J., M.Sc. Lond., M.A.,
Ph.D. Camb.

(on leave) Lectr.

Kanagasabapathy, P., B.A. Camb.,
M.Sc. Lond. Asst. Lectr.

Modern Languages (Western)

Jansz, Canon P. L., M.A. Camb.
Visiting Lectr.

Pali

Malalasekera, M. A., Ph.D., D.Litt.
Lond. Prof. and Hd. of Dept.

Jayawickrema, N. A., B.A. Lond.
Lectr.

Sarathchandra, E. R. de S., M.A.
Lond.

(on leave) Asst. Lectr.

Dhīrasekera, J. D., B.A.
Asst. Lectr.

Philosophy

Mathiapparanam, Miss K., M.A.
Madr. Lectr. and Hd. of Dept.

Sarkar, A. K., M.A., Ph.D.
Patna Lectr.

Physics

Mailvaganam, A. W., M.A., Ph.D.
Camb., B.Sc. Lond.

Prof. and Hd. of Dept.

Appapillai, V., B.Sc. Lond. Lectr.

Baliga, S. P., M.A. Madr. Lectr.

Muttucumarana, T. de S., B.Sc.
Lond. (on leave) Asst. Lectr.

*Physiology and Pharmacology, v.
Medicine*

Sanskrit

Heimann, Miss B., Ph.D. Kiel
Prof. and Hd. of Dept.

Wijesekera, O. H. de A., M.A.,
Ph.D. Lond. Lectr.

de Costa, P., B.A.
(on leave) Asst. Lectr.

Jayasuriya, M. H. F., B.A.
Asst. Lectr.

Sinhalese

Ratnasuriya, M. D., B.A., Ph.D.
Lond.

Dean, Fac. of Oriental
Studies, Prof. and Hd.
of Dept.

Hettiaratchi, D. E., B.A. Lond.,
M A., Ph.D. Calc

(on leave) Lectr

Ariyapala, M. B., B.A. Lond.

(on leave) Asst Lectr

Ratnasuriya, Mrs D. B. V., B.A
Lond., M.A. Asst. Lectr

Wijeratne, D. J., B.A. Lond.
Asst. Lectr.

Fernando, P. E. E., M A. Lond.
Asst. Lectr

Tamil

Kanapathipillai, K., B.A., Ph.D.
Lond., Vidvan Annam.

Prof and Hd of Dept.

Chelvanayagam, V., B.A. Lond.,
M A. Annam. Lectr

Vithianathan, S, M A.
Asst. Lectr

Zoology

Fernando, W., B.Sc., Ph.D. Lond.
Prof. and Hd. of Dept.

Kirtisinghe, P., M.Sc. Lond. Lectr.
Crusz, H., B.Sc. Lond.

(on leave) Asst. Lectr.

Weerakone, A. C. J., B.Sc. Lond.
Asst. Lectr.

Medicine*Anatomy*

Chanmugam, P. K., M Sc. Lond.
Prof. and Hd. of Dept.

Fernand, V. S. V.
(on leave) Lectr.

Sinnetamby, G S, F.R.C.S.
Visiting Lectr.

Waas, M J Lectr.

Kanagasunderam, R. Demr.

Swagunanam, C. Demr.

Rajasingham, A. S, F R.C.S
Visiting Demr.

Rasanayagam, V. Demr.

Bacteriology

Seneviratne, L. B. E., D.T.M. &
H. Lond. Visiting Lectr.

Outschoorn, A. S. Visiting Lectr.

Gulasekharam, J. Visiting Demr

Dental Surgery

Brito-Muttunayagam, M A. B.,
D.T.M., D.P.H. Lond. (Pros-
thetic D S) Lectr.

Rajasooriya, G. P. D., L.D.S.
(Prosthetic D.S.) Lectr

Kandiah, A., Ph.D., D.Sc. Lond.
(D. Metallurgy).

Gunawardena, S, L D S. Manc
(D. Metallurgy)

Visiting Lectr

Balendra, R., L.D.S. (D. Surg. and
Pathol.) Visiting Lectr.

Goonewardene, S, L.D.S. Manc.,
(D Surg and Pathol)

Visiting Lectr.

Forensic Medicine

de Saram, G. S. W., M.B., B.S.
Visiting Lectr.

Medicine

Fernando, P. B., M.B., B.S. Lond ,
D T.M. & H. Lond.

Prof. and Hd. of Dept

Medonza, M. O. R.

Research Asst.

Cooke, G, M.D. Lond (Systematic
Lectures and Ward Classes)

Visiting Lectr.

Senewiratne, V. E. P., M.D. Lond.,
D.T.M. & H Lond (Tutorials
and Ward Classes)

Visiting Lectr.

Blaze, J. R., M.D. Lond. (Sr. Ward
Classes) Visiting Lectr.

Wijerama, E. M., M.D. Lond.
(Therapeutics and Intermed.
Ward Classes) Visiting Lectr.

Fernando, C. F., M.D. Lond. (Jr.
Ward Classes) Visiting Lectr.

Leanage, D. J. T., M.D., D.T.M. &
H. Lond., F.R.F.P. & S. Glas.

(Dermatol. and Jr. Ward
Classes)

Visiting Lectr.

Nimalasuriya, A., M.B., B.S.
Lond. (Nutrition)

Visiting Lectr.

Handy, G. R., M.D., M.B., B.S.
Lond. (Tutorials)

de Simon, D. S., (Leprosy)
Visiting Lectr.

Josef, B (Tuberculosis)
Visiting Lectr.

Caralasingham, A., D.T.M. & H.
Lond (Infectious Dis.)

Visiting Lectr.

Amerasinghe, C. D., D.P.M. Lond.
(Psycholog. Med.)

Visiting Lectr

de Zoysa, V. P., M.D. Lond.,
(Clinical Instr.) Visiting Lectr.

Cooray, M. P. M.
Medical Registrar.

Obstetrics and Gynæcology

Attygalle, N., F.R.C.S., F.R.C.O.G.
Lond., D.L.O. Lond.

Dean, Fac. of Med., Prof.
and Hd. of Dept

Navaratnam, S. L., F.R.C.S.Ed.,
F.R.C.O.G. Lond., D.T.M. &
H. Lond.

Visiting Lectr.

Jayawardene, P. U.
Research Asst.

Fernando, L. J. E. Obstet. Tutor.

Parasitology

Sivalingam, V., D.T.M. & H.
Lond.

Visiting Lectr.

Jayasekera, B. T. Visiting Demr.

Jayawardena, Mrs. R. P.
Visiting Demr.

Pathology

Karunaratne, W. A. E., M.D.
(Med. and Path.) Lond.

Prof. and Hd. of Dept.

Cooray, G. H., M.B., B.S. Lond.,
D.T.M & H. Lond.

Lectr.

Kanakaratne, Miss D., M.B., B.S.
Lectr.

Ratnavale, W. D.
(on leave) Visiting Lectr.

Arumugam, Mrs. J. N. Demr.

Physiology and Pharmacology

Jayawardena, S. F., E.D., M.B.,
B.S., B.Sc. Lond.

Lectr. and Actg. Hd. of
Dept.

Baptist, N. G., B.Sc., Ph D. Lond.
(Biochem)

Lectr.

Koch, A. C. E. Lectr.

Pinto, C. F. X. (Pharmacy)
Visiting Lectr

Bibile, S. W. (Physiol, Pharmacol.
and Biochem)

Lectr.

Watson, R. S. S., M.B., B.S. Lectr.

Kirtisinghe, C., M.B., B.S. Lectr.

Wickramanayake, T. W., M.B.,
B.S. Lectr.

Wyetileke, S. E., M.B., B.S. Lectr.

Rajaratnam, P. D. (Physiol.,
Pharmacol. and Biochem.)

Demr.

Public Health

Wickramasinghe, W. G., D.P.H.
Harv.

Visiting Lectr.

Williams, C. T., B.A. Madr.,
D.T.M. & H. Lond., D.P.H.
Edin.

Visiting Lectr.

Surgery

Paul, Milroy, M.S. Lond., F.R.C.S.
Prof. and Hd. of Dept.

Jayasuriya, J. H. F., F.R.C.S.
(Systematic Lectures, Tu-
torials, Inter. Ward Classes)

Visiting Lectr

Gabriel, V., F.R.C.S. (Sr. Ward
Classes)

Visiting Lectr.

Rajasingham, A. S., F.R.C.S.
(Inter. Ward Classes)

Visiting Lectr.

Sinnetamby, G. S., F.R.C.S. (Jr.
Ward Classes)

Visiting Lectr.

Anthonis, P. R., F.R.C.S. (Jr.
Ward Classes)

Visiting Lectr.

Peiris, M. V. P., M.B., B.S. Lond.,
F.R.C.S. (Operative S. and
Pre-Clin. Classes)

Visiting Lectr.

Gunewardena, H. O., M.B., B.S. Lond. D.M.R.E. Camb. (Radiol. and Electro-Therapeutics) Visiting Lectr.	Gunewardena, H. C. P., F.R.C.S. (Venereal Dis. and Otol., Laryngol., Rhinol.) Visiting Lectr.
de Silva, L. M., D.T.M. & H., D.A. (Anæsthetics) Visiting Lectr.	Dadabhoy, J., D.O.M.S. Lond. (Ophthalmol.) Visiting Lectr.
Lucas, A., D.T.M. & H. (Anæsthetics) Visiting Lectr.	Bartholomeusz, L. N., F.R.C.S. Lond. (Clin. Instr.) Visiting Lectr.
Balendra, W., L.D.S. (Dental S.) Visiting Lectr.	Soysa, H. C. S. Surgical Registrar.

GENERAL INFORMATION

The University was founded in 1942 by the incorporation of the Ceylon University College, established in 1921, and the Ceylon Medical College, established in 1870. It occupies temporarily the premises of the two Colleges in Colombo, but new buildings are being erected in Peradeniya, four miles from Kandy, on the banks of the Mahaweli-ganga below the Royal Botanic Gardens. When the whole University is moved there it will become entirely residential. The site covers 2200 acres; much of it is too steep for buildings and has been acquired for protective purposes. More land will be required for the Faculty of Medicine and new Faculties. The main buildings are being erected to a plan formulated by Sir Patrick Abercrombie and Mr. Clifford Holliday.

LIBRARIES. The main Library contains 50,000 vols., but there are sectional libraries attached to the laboratories. The University makes a grant to the Ceylon Medical Library, which is used as the Library of the Faculty of Medicine. **LABORATORIES.** Science Labs. in Thurstan Road (moving to Peradeniya in 1952; Medical Labs. in Kynsey Road; Dental Labs. in Ward Place. **HOSPITALS.** The Colombo General Hospital, the De Soysa Maternity Hospital, and the Dental Institute are teaching hospitals. Medical students also use the Medical Research Institute and the Kalutara Public Health Centre.

FACULTIES AND DEANS. Oriental Studies, Prof. M. D. Ratnasuriya; Arts, Prof. E. F. C. Ludowyk; Science, Prof. A. W. Mailvaganam; Medicine, Prof. N. Attygalle.

ADMISSION. The Univ. Entrance Examn. is combined with the Higher School Certificate Examn. and is held annually in December. Candidates must have passed the Ceylon Senior School Certificate Examn. or its equivalent.

DEGREE COURSES. B.A. and B.Sc., 3 or 4 yrs. according to type and subject: Section A (General), 3 yrs.; Section B (Specialist), 4 yrs. except in Sanskrit, Tamil, Econ. and Philos. In most cases the 4-yr. period may be reduced to 3 yrs. if sanctioned by Dean. LL.B., 3 yrs. B.Sc.Agric., 3 yrs. M.B., B.S., 6 yrs from Univ. Entrance Examn. or 5 yrs. from First Examn. (which may be taken from school) B.D.S., 5 yrs. from Univ. Entrance Examn. or 4 yrs. from First Examn.

HIGHER DEGREES. M.A. or M.Sc., 2 yrs. Ph.D., 2 yrs. Degrees of D.Litt., LL.D., D.Sc., M.D., M.S., M.O.G. for graduates of the University only.

DIPLOMAS. Vidya Visarada (Sinhalese); Vidwan (Tamil), 3 yrs. each, the medium of instruction being Sinhalese and Tamil respectively. Medicine and Surgery, 1 yr. D.T.M. and H., 6 mos.

CERTIFICATES. Ceylon History, 1 yr.

FEES. There are no tuition, examination or degree fees for students domiciled or normally resident in Ceylon. For others the tuition fees are: Arts, Rs. 150; Science, Rs. 225; Medicine, Rs. 525. Every student pays a registration fee of Rs. 25 p.a.

SCHOLARSHIPS FOR GRADUATES. Two in each Faculty (except Medicine) awarded each year for two yrs., value Rs. 600 p.a., on the results of the Final examinations. Hilda Obeyesekere Scholarships are available for graduates of other Univs.

HOSTELS For men: Union Hostel (Warden: Prof. M. D. Ratnasuriya), Rs. 197 per term; University Christian Hostel (Warden: Dr. G. C. Mendis), Rs. 197 per term; Aquinas Hall (Catholic) (Warden: Rev. Father S. I. Pinto), Rs. 197 per term; Grasmere Hall (Warden: Prof. P. K. Chanmugam), Rs. 210 per term. For women: University Women's Hostel (Warden: Miss K. Mathiapparanam), Rs. 197 per term.

THE YEAR 1946-47

BENEFACTIONS. Ceylon Turf Club, Rs. 20,040 for Fac. of Agric.; Mr. D. Kundammal, Rs. 5000 for Vice-Chancellor's Fund; Subscribers in Ambalangoda District, Rs. 8450 for a Scholarship; Mr. D. R. Wijewardene, Rs. 200,000 to establish a Buddhist Sangharama and Vihara in Peradeniya; Friends of the late Prof. George Wickremasuriya, Rs. 90,000 for research in Obstetrics.

NEW BUILDINGS. Temporary Arts Block and second Union Building in Colombo. Building of main Arts Block and two Hostels in Peradeniya is in progress. Main playing-fields at Peradeniya nearly completed. Gampola Road diversion, delayed to open up left bank of the Mahaweli-Ganga, begun and first bridge completed. Roads to Open-air Theatre made and Galaha Road diversion open to traffic. Foundation-stone of Convocation Hall laid by H.R.H. the Duke of Gloucester

NEW DEPARTMENTS AND POSTS. Law Dept. created with Chair and three Lectureships, the former being held by Sir Francis Soeretsz, K.C., late Senior Puisne Justice of the Supreme Court; Prof. of Civil Engin. appointed to assist Ceylon Technical College and plan Faculty of Engineering at Peradeniya. New Dept. of Education created with Chair, two Lectureships and Directorship of Physical Education. New Dept. of Agric. with Chair and three Lectureships. New Department of Veterinary Science with Chair and one Lectureship. New Chairs of Geog., Sociology and Dental Surgery. Readerships in Maths. and Chem. Lectureships in Pali, Sinhalese, English, Western Classics, Physics, Anatomy (two), Obstetrics. Assistant Lectureships in Sanskrit, Economics (three), Maths., Chem., Physics (two).

OTHER DEVELOPMENTS. The Minister of Agriculture and Lands has agreed to transfer to the Univ. the lands and buildings of the School of Agriculture, Peradeniya, and the Kandy Golf Course. With these additions the Univ. will occupy 2200 acres. The village of Getambe, which adjoins the Univ. site, was washed away by the floods of August 1947 and arrangements are being made with the Kandy Municipal Council for the area to be kept as a public open space.

CHANGES IN ACTS AND REGULATIONS. Courses in Laws, Agriculture and Veterinary Science, Higher Doctorates, Diploma in Tropical Medicine and Hygiene. Rules for Univ. Entrance Examn. redrafted.

RESIGNATIONS. Prof. D. R. R. Burt (Zoology), to Univ. of St. Andrews; Dr. S. F. Jayawardena, Lectr. (Physiol.) to private practice; Dr. A. A. Hoover

Lectr. (Biochem.), to Medical Research Institute; Dr. C. E. Godakumbure, Asst. Lectr. (Sinhalese), on appt. as Asst. Archæological Commissioner; N. Leiter, Asst. Lectr. (Geog.), on appt. to Benares Hindu Univ.

DEATH. Swami Vipulananda, Prof. of Tamil.

HONORARY DEGREES. H.R.H. the Duke of Gloucester; Lord Soulbury; D. S. Senanayake (Prime Minister); Dr. Andreas Nell, Member of Senate and Council.

STUDENTS. Total: 1578; all full-time, includes 251 women and 26 graduates.

DEGREES AWARDED (1946) B.A., 56; M.A., 4; B.Sc., 31; M.Sc., 1; M.B., B.S., 61. (1947) B.A., 66; B.Sc., 33; M.B., B.S., 43.

UNATTACHED INSTITUTIONS AND COLLEGES OVERSEAS

THE INDIAN INSTITUTE OF SCIENCE, BANGALORE

Founded 1911

Address—Bangalore 3. *Telegrams*—Science, Bangalore.

VISITOR—H E. THE GOVERNOR-GENERAL OF INDIA.

ACTING DIRECTOR—E. V. GANAPATI IYER, B.Sc.

REGISTRAR—A. G. PAI, M.A. Camb.

LIBRARIAN—G. T. KALE, D.Sc.

TEACHING STAFF

Biochemistry

Subrahmanyan, V., B.A. Madr.,
D.Sc. Lond., F.R.I.C. Prof.
Banerjee, B. N., M.Sc. Calc. Lectr.
Giri, K. V., D.Sc. Lectr.
De, S. S., D.Sc. Calc. Lectr.

Chemistry, Pure and Applied

Guha, P. C., D.Sc. Calc., F.N.I.
(Org. C.) Prof.
Sanjiva Rao, B., M.A., Ph.D.,
D.Sc. Lond., F.A.Sc., F.N.I.
(Inorg. and Min. C.) Prof.
Jatkar, S. K. K., D.Sc., F.R.I.C.,
F.I.I.Sc., F.I.P. (Phys. C.)
Asst. Prof.
Nandi, S. K., M.Sc. (Chem. Engin.)
Asst. Prof.
Iyer, B. H., M.Sc. Bom., Ph.D.
(Organ. C.) Lectr.
Sreenivasaya, M., B.A., F.I.I.Sc.
(Fermentation Techn.) Lectr.
Bhattacharya, S. K., D.Sc. (Phys.
C.) Lectr.
Narayana Rao, M. R. A., D.Sc.
(Colloid C.) Lectr.
De, N. N., M.B. (Pharmacol.)

Sastry, M. V. C., M.Sc., Ph.D.
(Appd C.) Lectr.
Muthanna, M. S., M.Sc., Ph.D.
(Terpene C.) Lectr.
Nagesha Rao, T., B.E. (Chem.
Engin.) Lectr.

Electrical Technology and Power Engineering

Thacker, M. S., B.Sc. Prof.
Aston, K., B.Sc., M.Sc.
Spl. Officer-in-Charge, In-
stallation of High Volt-
age Engin. Equipment.
Badkas, D. J., M.Sc. Nag (Power
E.) Asst. Prof.
Ramachandra Rao, H. N., M.Sc.
(Power E.) Asst. Prof.
Narayana Iyengar, B. N., B.Sc.
(High Voltage E.) Lectr.

Engineering, Aeronautical

Harris, R. G., M.A., D.Sc. Prof.
Janaki Ram, G., B.A., B.Sc. Lectr.
Gururajacharya, Y. V., B.E.
Lectr.
Krishnaswamy, T. N., B.E.

Lakshminarayana, C. N., B.E.
Scientific Officer.

German

Kale, Mrs. H., Ph D., T.D.
Pt.-time Lectr.

*Engineering, Electrical Com-
munication*

Metallurgy

Adcock, F., M.B.E., D Sc. Lond
Prof.

..... Hd of Dept
Bhatt, N. B., M.Sc., Sc D Mass.
Inst. Tech., F.I.P

Ramachandran, E. G (Phys. M)
Lectr.

Asst Prof.
Chatterjee, S. K., M Sc. Lectr.
Basak, H. C. Lectr.

Mazumdar, K., M.Sc (Mineralogi-
cal Chem and Ore Dressing)

Lectr
Ghosh, S S., M.Sc (Fuels) Lectr
Balachandra, J., B Sc., B E. (Elec-
tro-M) Lectr.

Engineering, Internal Combustion

Carter, B. C., D.I.C., F.R Ae S.
Prof.

Physics

Krishnamurthy Rao, M. R., B.E.
Lectr

Raman, Sir C. V., M.A., LL.D. Calc.,
D.Sc. Calc. and Bom., Ph.D.
Freib., F.R.S. Prof.

Engineering, Mechanical

Krishna Rao, K. B., B.A., B.E
Madr.

Krishnan, R S., M.A., D.Sc.,
Ph.D Camb Asst Prof

Workshop Supt. and Lectr.

Ramachandran, G N, M A, M Sc.
Lectr

GENERAL INFORMATION

The object of the Institute is to provide for advanced instruction and conduct original investigations in all branches of knowledge and in particular in such branches of knowledge as are likely to promote the material and industrial welfare of India, to establish and maintain Chairs and Lectureships in Science and Arts, to provide suitable libraries, laboratories and equipment, and to co-operate as far as possible with such recognized institutions as exist or are founded in future for cognate objects in India, and to do all such other things as are incidental or conducive to the attainment of the above-noted objects or any of them.

LIBRARY. 35,000 volumes.

TERMS. July-Sept., Oct.-Dec., Jan.-March.

COURSES. *Associateships* are awarded on the recommendation of the Senate for 5 terms devoted entirely to research work; also for 3 terms *plus* a period of research elsewhere before or after the period spent at the Institute. *Fellowships* may be awarded to Associates who, having spent 5 yrs. in actual practice, produce satisfactory evidence of original and valuable research work, or other contribution to the advancement of scientific or industrial knowledge. *Diplomas* are granted to students who satisfactorily complete approved courses of study. 216 Associateships, 7 Fellowships and 6 Hon. Fellowships have been granted.

RESIDENCE. Students reside in a Hostel (Warden—N. Kunchithapatham, M.A.). Messing charges are from Rs. 50 to Rs. 60 p.m.; rent, lighting and service, Rs. 10 p.m.

BUREAU OF INDUSTRIAL AND STATISTICAL INFORMATION. Officer-in-Charge—
T. L. Ramachar, M.Sc., Ph.D.

PUBLICATION. *Journal of the Institute*, 29th vol.

THE YEAR 1946-47

STUDENTS. Full-time: 220, all graduates. Biochem, 25; Genl. Chem., 48; Org. Chem., 20; Elect. Tech., 91; Physics, 13; Aeronautical Engin., 6; Metallurgy, 12; Internal Combustion Engin., 5.

COLLEGE OF AGRICULTURE MAURITIUS

Founded 1923

Address—Réduit, Mauritius.

PRINCIPAL AND CHAIRMAN OF ADVISORY BOARD—N. CRAIG, M.Sc. Durh.

REGISTRAR—J. R. LAGESSE, B.Sc. Lond.

LECTURERS

Agricultural Meteorology—Herchenroder, M., B.Sc. Lond

Agronomy—Coombes, Capt. A. N., B.Sc. Reading; Lesur, E.

Animal Husbandry and Vet. Science—Lionnet, F. E., Dr.Vet. Paris; Lefébure, Y.

Biology and Entomology—Williams, J. R., B.Sc. Bristol, D.I.C., F.R.E.S.; Moutia, A., F.R.E.S.

Book-keeping—Dove, L. R

Botany and Agric. Botany—Wiehe, P. O., M.Sc. Lond., F.L.S.; Orian, G.

Chemistry—Lincoln, R., M.A. Camb.; Berchon, F.

Mathematics—de Sornay, A., B.Sc. Lond.

Physics—Herchenroder, M., B.Sc. Lond.

Sugar Technology—Staub, S., F.C.S.; Leclézio, R

Surveying and Agric. Engineering—Leclézio, R.

GENERAL INFORMATION

The College is administered as an integral part of the Department of Agriculture of the Colony. The cost of the building (opened Jan. 1925) and equipment was £14,000. Experimental fields and farms cover 60 acres. Laboratories provide accommodation for research in Chemistry, Entomology, Botany, Mycology, Physics, and Sugar Technology. Athletic grounds are attached to the College.

A 3 yrs.' course leads to the Diploma of the College. Short courses in the inter-crop period are provided for estate employees and special courses for agricultural and sugar-house chemists. The examns. of the City and Guilds of London Institute in sugar technology are held at the College.

The College year begins in April.

Minimum age for admission, 18. Entrance examn. in English, French, Chemistry, and Maths. Holders of Matric. certificate of any British University are excused those subjects which appear on their matric. certificate.

Tuition fee for British subjects not natives of Mauritius, £20 p.a.

THE YEAR 1946-47

STUDENTS. Full-time, 23. Part-time, 9.

DIPLOMAS in Agric., 5.

MEMORIAL UNIVERSITY COLLEGE

ST. JOHN'S, NEWFOUNDLAND

Founded 1925

VISITOR—H.E. THE GOVERNOR.

PRESIDENT—A. G. HATCHER, M.A. McG, LL D. Mt. All, LL D. Dal.,
F A.A.A.S

REGISTRAR—MISS M. G. MANSFIELD.

LIBRARIAN—MISS SADIE L. ORGAN, B.A. McG, M A. Mich.

TEACHING STAFF

PROFESSORS. The President (Maths); Hunter, A. C., M.A. Ox., B.A. Lond., D. ès L Paris (English and French); Andrews, C. W., B.Sc. Mt. All, M.A. W. Ont, Ph.D. Tor. (Biology); Carew, S. J., B.Sc. Dal, B.E. N.S.Tech. (Engineering), Hickman, G. A, B.A. Mt. All, M.A. Acad. (Education); Fraser, A. M., M.A. Edin. (Hist. and Econ.); Hickman, G. A, B.A. Mt. All, M.A. Acad. (Education); Lodge, Helen, B.A. Mt. All, M.A. Columbia (Education), Maddock, F. B., M.Sc. Dal. (Chem.). ASSOC. PROFESSORS: Ashley, J. B., B.A. Dal, M.A. Ox. (Classics and German), Baird, Edna, B.A. Dal., B.H.Sc. McG. (Household Sci.) (on leave); Fitzpatrick, Mary J., M.A. Tor. (Educ); Lear, E., B.Sc. Acad. (Biol.); Long, B. F., M.Sc. Dal (Physics); Rowe, W. G., B.A. Dal. (Educ.). LECTURERS: Brinton, Ethel, B.A. Lond. (Engl. and French); Facey, J. M. C., B.Sc. Lond. (Engin and Maths.) (actg.); Organ, Sadie L., B.A. McG., M.A. Mich. (Maths.), Peters, Marion, B.Sc. McG. (Chem.); O'Reilly, Alison, M.A. Tor. (English and French); Goodridge, H. B., M.A. Camb. (Geog.).

OTHERS Emerson, F. R., K C. (Music) (Hon.); Cochrane, Mrs. J. A., B.A. Durh. (Latin); Jennings, Marguerite (Music); Parrott, A. G. (Navigation); Pitt, T. K., Demr. (Biol.); Thompson, Shirley, Instructor (Art); Brinton, Rev. J. (Relig. Instr.); Curtis, Rev. L. A. D. (Relig. Instr.).

GENERAL INFORMATION

The College, built by the Govt. as a War Memorial, was opened in 1925.

The curriculum covers the first 2 yrs. of the Univ. Courses in Arts, Pure Sci., Med., Household Science, and the first 3 yrs. in Engin. and Agriculture. To students who have completed the work for the first and second years in the Coll. third-year status is granted by the following Univs.: (1) All the Univs. of the Maritime Provs., (2) Toronto, in Arts, (3) Columbia, Harvard, (4) McGill. A three-year course for teachers, including both academic and professional subjects is given to some 180 students duly matriculated. A School of Navigation trains some 115 seamen for certificates of competency as master and mate, both for home trade and foreign (British B. of T.).

The College Year is divided into two semesters, Sept–Feb., Feb.–June.

ADMISSION. High Pass Standing in the Grade XI. examns. of the Newfd. Council of Higher Educn., conducted by Common Examining Bd. of Maritime Provinces and Newfd., or equivalent.

FEES. For full course, \$100 p.a.

EXTRA-MURAL AND EXTENSION COURSES are provided in most Arts and Science subjects, also in Navigation, Dietetics, Music, Health, Pharmacy, Shop Mathematics, etc.; Household Science, Chemistry for Nurses, Economics. Seminars and study-groups for school-teachers, scientific workers and others.

A SUMMER SESSION, with full college credit, is held in July and August.

LIBRARY, 15,000 vols.

SCHOLARSHIPS. There are several Leaving Scholarships of \$300 and \$500 a year for 2 yrs. for students of the College completing their studies elsewhere. A students' Loan Fund has been founded. The Carnegie Corporation have made grant of \$7500 to the Trustees to enable them to make grants-in-aid to students in the Coll.

Acadia offers annually one scholarship of \$125, King's one of \$150, Mt. Allison one of \$125 and one of \$62.50, and Mount St. Vincent one of \$175. These scholarships are tenable for 2 yrs. Dalhousie offers annually one scholarship of \$200, tenable for one year.

Students having completed 2 yrs. at the College are eligible for Rhodes Scholarships.

THE YEAR 1946-47

BENEFACTIONS. A bequest of about £3000, being one-quarter the residue of the estate of the late John Lewis Paton, first President of the College; a second donation of \$2500 from Mr. G. S. Doyle, to continue the valuable Doyle Scholps in Engin.; and others.

NEW DEPARTMENT. Geography.

RESIGNATIONS. R. Duder (English), to educational work in Germany; A. G. Gillingham (Classics), to teach in the U.S.A.; E. C. Smith (Biol.), to Acadia Univ.

STUDENTS. Full-time: 434, including 69 war-veterans; summer session, 495; evening classes, 128.

KING EDWARD VII. COLLEGE OF MEDICINE

SINGAPORE

Founded 1905

PRESIDENT OF COUNCIL—W. J. VICKERS, D.P.H. Camb.

PRINCIPAL—D. W. G. FARIS, C B.E., M.B., B.S. Lond., D.P.H. Lond.

TEACHING STAFF

Anæsthetics

Hopkin, D. A. B., M.B., B.S.
Lond. Lectr.

Anatomy

..... Prof.
McGladdery, H. M., M.B., B.S.,
F.R.C.S. Ag. Prof.
Thambipillai, V., L.M.S. Tutor.
Tan, Jiak Hoon, L.M.S., D.C.H.
Lond. Tutor.

Bacteriology

..... Prof.
Sen, N. K., M.B. Calc., Dip. Bact.
Lond. Ag. Prof.
Lim, K. A., B.Sc., M.B., Ch.B.
Edin. Asst. Curator and Pt.-
time Lectr.

Biochemistry

Lugg, J. W. H., B.Sc., Ph.D.,
F.R.I.C., F.A.C.I. Prof.
Oliveiro, C. J., L.M.S. Ag. Prof.
Leong, P. C., Ph.D. Camb. Tutor.

Biology

..... Prof.
Sandosham, A. A., L.M.S. Ag. Prof.
Abraham, O. K., B.A. Madr.
Ag. Tutor.

Chemistry

(See Raffles College, Singapore).

Forensic Medicine and Toxicology

da Silva, L. S., L.M.S. Lectr.

Medicine

..... Prof.
Ransome, G. A., F.R.C.P.
Assoc. Prof. and Lectr.
in Neurol.
Smith, C. E., L.M.S.
Ag. Assoc. Prof.
Monteiro, E. S., L.M.S.
(On leave) Med. Tutor.
Danaraj, T. J., L.M.S. Ag. Tutor.
Ho, Y., L.M.S. Tutor.
Khoo, O. T., L.M.S. Ag. Tutor.

Mental Diseases

Home, B. F., Dip. Psych. Edin.
Lectr.

Midwifery and Gynæcology

English, J. S., B.A., M.D. Dub.,
F.R.C.O.G. Prof.
Sheares, B. H., L.M.S. Tutor.

Ophthalmology

Williamson, A. D., M.B., Ch.B.
Glas., F.R.C.S.Ed., D.O.M.S.
Lond. Lectr.

Otorhinolaryngology

Johns, B. M., O.B.E., M.B., Ch.B.
N.Z., F.R.C.S.Ed. Lectr.
Au, K. H., L.M.S. Ag. Lectr.

Pathology

..... Prof.
Subrahmanyam, C., L.M.S.
Ag. Prof.
Balasingham, T., L.M.S. Tutor.

<i>Pediatrics</i>		McGladdery, H. M., M.B., B.S., F.R.C.S.	Ag. Prof.
Haridas, G., L.M.S.	Lectr.	Yeoh, B. C., L.M.S.	Tutor.
<i>Pharmacy</i>		<i>Venereology</i>	
Caldwell, A. F., B.Pharm	Sr Lectr	Lyall, T., M.B., Ch.B. Aberd.	Lectr.
Caldwell, Olive G.	Ag. Lectr		
Hanam, J., Dip. Pharm.	Pharmacist		
<i>Physics</i>		<i>Dentistry</i>	
(See Raffles College, Singapore).		(The Profs., Lectrs. and Tutors for Chem., Physics, Biol., Anat., Physiol., Pharm., Bacteriol., Pathol., Anæsthetics, Radiol., and Venereol., for Dental Students are the same as for Medical Students.)	
<i>Physiology</i>		<i>D. Anatomy, Special</i>	
Scott MacGregor, R. G., M.A., B.M., B.Ch., D.M. Ox.	Prof.	Sandosham, H. C., L.D.S.	Ag. Lectr.
Black, J. W., M.B., Ch.B. St. And.	Asst. Lectr.	<i>D. Medicine, General</i>	
Lee, T. S., Dip.Sc. Raffles Coll.	Tutor.	Smith, C. E., L.M.S.	Lectr.
Toh, C. C., Dip.Sc. Raffles Coll.	Tutor.	<i>D. Metallurgy</i>	
Wadsworth, G. R., M.B., B.Ch. Belf.	Pt.-time Lectr.	Fox Taylor, J. W., B.D.S. Liv.	Ag. Lectr.
<i>Public Health</i>		<i>D. Prosthetics</i>	
Johnston, R. S., M.B., B.Ch., B.A O Belf., D.P.H. Lond.	Lectr.	.....	Prof.
Nicholas, A. W., L.M.S., M.P.H.	J. Hop. Asst Lectr & Demr.	Fox Taylor, J. W., B.D.S. Liv.	Ag. Lectr.
Lander, H. R.	Demr.	Stephens, G. H.	Instr.
<i>Radiology</i>		<i>D. Surgery, General</i>	
Winchester, J. W., M.D., Ch.B. St. And., D.M.R.E. Camb.	Lectr.	Vellasamy, K., L.M.S.	Lectr.
<i>Surgery</i>		<i>D. Surgery and Pathology</i>	
Monro, J. K., M.A., M.D., M.Ch. Camb., F.R.C.S.	Prof.	Tratman, E. K., F.S.A.	Prof. and Director of D. Studies.
Khong, B. T., L.M.S.	Tutor.	Sandosham, H. C., L.D.S.	Asst.
<i>Surgery, Clinical</i>		Ng, W. K., L.D.S.	Asst.
Mekie, D. E. C., M.B., Ch.B. Edin., F.R.C.S.Ed.	Prof.		

GENERAL INFORMATION

The Coll. is a Government institution, partly endowed by public subscription, managed by a Council of Govt. officials and private members, with the Director of Medical Services (Singapore) as President, advised by a Senate composed of the professors and lecturers, with the Principal as Chairman. Since its foundation 398 licentiates have passed out. It owes its name to a large donation from a King Edward VII. Memorial Fund, which enabled the Council in 1913 to endow a Chair of Physiology.

The *Diploma* in Medicine, Surgery and Midwifery was recognized by the General Medical Council in 1916. The course extends over 6 yrs.

The *Diploma* in Dental Surgery was recognized by the General Medical Council in Nov. 1947. The course extends over 5 yrs.

Admission qualifications (Medical and Dental): (1) The Cambridge School Certificate with credits in English Lang., Elem. Maths., a language other than English, and two or more of the following: Hist., Geog., English Lit., Physical Sci., Natural Sci., Physics, Chem., Physics-with-Chem., Biol., Mechanics, General Sci., Latin, Greek, Hebrew, French, German, Urdu, Malay, Tamil, Chinese or other recognized language: or (2) certificates of equivalent standard recognized by the General Medical Council, e.g. Lond. Matric. Candidates selected for admission are required to pass a Medical Examination and are admitted only if their standard of health is satisfactory. In view of the large numbers of locally domiciled candidates applying for admission each year preference is given to candidates who are born and educated in Malaya.

PHARMACY COURSE. A course for the training of Pharmacists was started in Oct. 1945. The course covers a 3 yrs.' pupilage under an approved Pharmacist and 1 yr.'s course of systematic lectures and practical classes in the College. The Diploma in Pharmacy is registrable in Malaya.

TERMS. Michaelmas—Oct. 1 to Dec. 17; Easter—Jan. 5 to March 19; Trinity—Apr. 12 to June 26.

TUITION FEES. \$360 p.a. (Medical), \$360 (Dental), \$150 (Pharm.).

SCHOLARSHIPS (3 Medical and 3 Dental) are available each yr. for new students of sufficient merit, and are tenable for 6 yrs. or less. The Senate reserves the right not to make the full yearly award. Value of Scholarship \$600 p.a.

EXHIBITIONS (5 Medical and 3 Dental), value \$600 p.a. each, are available for new students, and are tenable for 3 yrs., and can be renewed subject to approval of Senate. In the award of Exhibitions the financial position of the student is considered. The Senate reserves the right not to make the full yearly award.

RESIDENCE, ETC. Hostels for 214 students, 25 being women resident in the Women Students' Hostel.

RECREATION. Membership of the Medical Coll. Union is compulsory for all students. The Union arranges the recreational and social activities of students.

HEALTH. Students can obtain free attention and treatment when ill.

PUBLICATIONS. *Calendar* (June); *Annual Report*.

THE YEAR 1947

BENEFACTIONS. Mr. Liew Kwong Hon donated \$150,000 to the College to perpetuate the name of his father, Mr. Liew Weng Chee, in the form of the Liew Weng Chee Scholarship. The award of this Scholp. is restricted to Graduates of the Coll. who have served for at least three years with the Coll. and have been qualified for at least five years and who at the time of the award are on the Coll. Staff, and who will return to the Coll. service for five years after holding the Scholp.

NEW POST. Dr. G. V. Allen was appointed Principal-Designate of the proposed University College of Malaya.

VISIT. The Carr-Saunders Commission on Higher Education visited the College in March 1947.

RETIREMENTS. Prof. W. A. Young (Bacteriol.); Mr. T. Roebuck (Pharmacy).

STUDENTS. Full-time for 1947 to 1948: 324 (280 men, 44 women).

DIPLOMAS. L.M.S., 13; L.D.S., 3.

RAFFLES COLLEGE

SINGAPORE

Founded 1928

PATRON—H.E. THE GOVERNOR OF SINGAPORE.

PRESIDENT—G. V. ALLEN, C.B.E., M.D., B.Ch., B.A.O., D.T.M. & H.

PRINCIPAL—W. E. DYER, M.A. Ox. (on leave).

DEPUTY PRINCIPAL—A. OPPENHEIM, B.A. Ox., Ph.D. Chicago.

SECRETARY—W. G. McINTOSH.

TEACHING STAFF

Chemistry

Robinson, R. A., M.Sc., D.Sc.
Birm., Ph.D. Yale, F.R.I.C.

Prof.

Jamieson, M., B.Sc. Lond. Prof.

Burt, A. W., M.Sc. Birm., F.R.I.C.

Ag. Lectr.

Biggs, A. I., B.Sc. N.Z.

Ag. Lectr.

Kiang, Ai Kim, B.Sc. Lond. Demr.

Economics

Silcock, T. H., M.A., D.Phil. Ox.,
F.S.S. Prof.

Lim, T. B., B.A. Camb. Lectr.

English Lang. and Lit.

Hough, G. G., M.A. Liv. and
Camb. Johore Prof.

Morrell, R. C. R., M.A. Camb. Lectr.

Geography

Dobby, E. H. G., B.A. Lond.,
Ph.D. Lond. Prof.

Fryer, D. W., M.Sc. Lectr.
Ho, R. Asst. Lectr.

History

Dyer, W. E., M.A. Ox. Prof.

Harrison, B., M.A. Dub. Lectr.

Cowan, C. D., B.A. Camb. Lectr.

Law

Ahmad, B. M. I., B.A. Camb.*
Ag. Lectr.

Mathematics

Oppenheim, A., B.A. Ox., Ph.D.
Chic. Prof.

Cooke, J. C., M.A. Ox. Lectr.

Price, D. J., B.Sc., Ph.D. Lond.
Lectr.

Physics

Alexander, N. S., M.Sc. N.Z.,
Ph.D. Camb. Prof.

Webb, C. G., B.Sc. Lond. Lectr.

Hon, L. Y. S., B.Sc. Lond. Demr.

GENERAL INFORMATION

This is a non-Government institution, endowed partly by the Straits Settlements and some of the Malay States and partly by public subscription, managed by a Council of Government officials and private members and advised by a Senate composed of the Professors, with the Principal as Chairman. It was opened in June 1928.

ADMISSION. Students are admitted to the College only after they have reached the age of seventeen, although exceptions may be made for students

* Barrister-at-Law.

who have reached the age of sixteen and can furnish a special recommendation from their schools.

Before admission all students must be examined as to physical fitness, and will be accepted only if their standard of health is good. To qualify for admission, students must submit a certificate of character from their last school, and must have passed one of the following examinations: (a) The Malayan Cambridge Certificate or the ordinary Cambridge Certificate examination with a pass with credit in English Lang., a pass in oral English and a pass with credit in *four* of the following subjects: English Lit., Hist., Geog., Latin, Elem. Maths., Additional Maths (if a credit pass has been obtained in Elem. Maths.), Chem., Physics, General Sci., Bot., Art or Music, any approved language, Physics with Chem., Biol.; (b) The Final Examination for a degree in Arts or Science in any University of the United Kingdom or British Dominions; (c) The Matriculation Examination of any University in the United Kingdom or British Dominions; (d) Any other examination specially approved by the Senate of Raffles College.

Persons not members of the College may be admitted, with the approval of the Principal, to attend a course of lectures on any subject.

Diplomas are given to students who successfully complete a 3 yrs.' course at the College. The standard of instruction aimed at is that of the first degrees in Arts and Science at the Univ. of London. Students may, if they desire, study for the External degrees of B.A. or B.Sc. of that Univ.

TERMS. Michaelmas—October 2–December 10; Hilary—January 3–March 13; Trinity—April 10–June 19.

FEES for tuition, \$300 p.a. (\$1 = 2s. 4d.); board and lodging, \$630 p.a.

RESIDENCE. There are Halls of Residence for 132 male students, and a Women Students' Hostel to accommodate 28 female students.

SCHOLARSHIPS. The John Anderson Scholarship, awarded from time to time to British subjects of any race or creed, of either sex, born in the Straits Settlements or Federated or Unfederated Malay States, to enable the scholar to study at Raffles College. The scholarship is awarded for 3 yrs. The Singapore Bar Committee Scholarship, \$1200 p.a. for 3 yrs., founded in memory of members of the Singapore Bar killed in the Great War and awarded to the son or daughter of parents who are or have been employed in the legal profession in Singapore. The Kelantan Scholarship, \$720 p.a. for 3 yrs., awarded to a student of either sex born in Kelantan and educated during his or her early years in Kelantan. There are awarded annually by the College ten entrance scholarships of \$1200 p.a. tenable for 3 yrs., twenty-five Malayan Union scholarships of like amount for 3 yrs. and a number of Exhibitions tenable for 1 and 2 yrs. Scholarships (not more than 6) of \$720 for 1 yr. are awarded to students who have obtained the Diploma of the College and are attending 4th year course in Education. Scholarships are also awarded by various Government Departments.

PUBLICATIONS. *Calendar* (February), *Annual Report* (October).

THE YEAR 1946-47

BUILDINGS. During the Japanese occupation the College was used as a Military H.Q. The Japanese added a new wing which, fortunately, conforms with the general style of the original buildings and which is now used by the College for lecture rooms and offices.

NEW DEPTS. AND POSTS. Dr. E. H. G. Dobby, formerly Reader in Geo-

graphy, was recently appointed Professor. The Depts. of Maths. and Hist. have each been enlarged by the appointment of an additional lecturer.

OTHER DEVELOPMENTS. The Ordinance is at present in course of revision in order to include two Members of Senate and two Graduates on the College Council. In April 1947 a Commission on Higher Education in the Colonies, under the Chairmanship of Sir Alexander Carr-Saunders, visited Malaya to investigate and advise on the formation of a University in Malaya. The Commission's Report is expected at an early date. Dr. G. V. Allen, C.B.E., President of the College, was appointed Principal-Designate of the proposed University.

EXTRA-MURAL WORK. Some lectures are being given to Teachers' Association and to the Services.

STUDENTS. Total: 218; full-time: 212; part-time: 6; the total includes 47 women.

THE IMPERIAL COLLEGE OF TROPICAL AGRICULTURE

ST. AUGUSTINE, TRINIDAD, B.W.I.

Founded 1921

Cable Address : " Stomata," Port-of-Spain.

CHAIRMAN OF THE GOVERNING BODY—SIR ERIC MACFADYEN, M.A., J.P.

PRINCIPAL—H. J. PAGE, O.B.E., B.Sc., F.R.I.C.

VICE-PRINCIPAL—C. Y. SHEPHARD, C.B.E., B.Sc. (Econ.), Ph.D. Lond.

DEAN AND REGISTRAR—G. G. GIANETTI, M.A., Dip.Agr. (Econ.) Camb.

BURSAR—H. N. LEE, O.B.E.

LIBRARIAN—M. E. HERON, B.A., F.L.A.

MEDICAL AND HEALTH OFFICER—MARY GIANETTI, M.B., Ch.B., D.P.H.

SECRETARY—Mrs. N. H. YOUNG, Grand Buildings, Trafalgar Square, London, W.C.2.

TEACHING STAFF

Agriculture

Frampton, A. de K., Dip.Agr. Prof.

Lynn, C. W., Dip.Agr. Lectr.

Webb, G. H., Dip.Agr. Lectr.

Evans, L. J. C., Dip.Agr. Wye Lectr.

Mayne, J. E., B.Sc.Agr. Lectr.

Cameron, J. D. J. Farm Manager.

Botany and Genetics

Dodds, K. S., B.Sc., Ph.D. Prof.

Wilson, J., B.Sc. Lectr.

Simmonds, N. W., B.A. Lectr.

Spencer, G. E. L., D.I.C.T.A. (Cocoa Res. Scheme)

Field Officer.

Chemistry and Soil Science

Hardy, F., M.A., Dip.Agr. Camb. Prof.

Lees, H., B.Sc., Ph.D. Lectr.

Rodrigues, G., F.R.I.C. Lectr.

Haworth, F., B.Sc., Ph.D. (Cocoa Res. Scheme) Soil Chemist.

Economics

Shephard, C. Y., C.B.E., B.Sc. (Econ.), Ph.D. Lond. Prof.

Jolly, A. L., M.Sc., Ph.D. Lectr.

Mycology and Bacteriology

Baker, R. E. D., M.A. Camb. Prof.

Dale, W. T., B.Sc. Lectr.

Sugar Technology

Yearwood, R. D. E., D.I.C.T.A. Actg. Sugar Technologist.

Veterinary Science

Metivier, Capt. H. V. M., O.B.E., B.Sc.Vet.Sc. Lond. Lectr.

Zoology and Entomology

Kirkpatrick, T. W., M.A. Prof.

Callan, E. McC., Ph.D. Manc., D.I.C. Lectr.

GENERAL INFORMATION

Incorporated in Sept. 1921 and reincorporated by Royal Charter on Nov. 23, 1926, the College aims at promoting the study of and conducting research in tropical agriculture in suitable surroundings and creating a body of British expert agriculturists well versed in the knowledge of the cultivation of land in the tropics, of chemists, and of scientific advisers possessing an intimate knowledge of the means of combating pests and diseases. The College buildings are at St. Augustine, near St. Joseph, Trinidad, on land granted by the Govt. of Trinidad and Tobago.

The foundation-stone of the new buildings and laboratories was laid by Sir Samuel Wilson, Governor of Trinidad and Tobago, on January 14, 1924. An Instructional and Experimental Sugar Factory, towards which British sugar machinery manufacturers contributed plant worth £20,000, was opened in 1925. A Low Temperature Research Station for work on bananas and other tropical fruits was completed in September 1929. An Agricultural Field Office, and a new Chemical Block, in which the Dept. of Sugar Technology is also housed, were completed in August 1929. The Milner Hostel and College Dining-Hall were completed in 1927. A Cacao Research Scheme was inaugurated in 1930. This is financed by contributions from the main cacao-growing Colonies and from some of the more important British cocoa and chocolate manufacturers. A Plant Quarantine Station to serve the British West Indies, British Guiana, and British Honduras was completed in 1933.

The income of the College is derived from contributions by the principal British and West Indian colonies, the Imperial Government, the Empire Cotton Corporation, and the British Cotton Growing Association.

The academic year extends from October 1 to June 30.

COURSES OF STUDY. (1) A 3-yr. course leading to a *Diploma* of the College (D.I.C.T.A.) either (a) in *Agriculture* or (b) in *Sugar Technology*, designed primarily for students from the West Indian Colonies and admission to which is limited, save in exceptional circumstances, to students from the Caribbean area.

(2) A 2-yr. course leading to an *Associateship* of the College (A.I.C.T.A.) in *Agriculture*, open to postgraduate students. The period of study to cover all requirements is 2 sessions of 3 terms each, except for Diplomates of the College, who may be allowed to present themselves for the Associateship examination after one session.

(3) A 1 yr. course leading to an *Associateship* of the College (A.I.C.T.A.) in *Sugar Technology*, open to students possessing the Diploma in Sugar Technology of the College.

(4) A 1-yr. postgraduate course open to Colonial Office cadets selected for the Colonial Agricultural service and to students possessing a degree in Agriculture or Natural Science or a Diploma of an approved Agricultural College involving at least a 3-yr. course of study in Agriculture or Horticulture, or some similar qualification.

TUITION FEES. *Diploma Courses*: British subjects from contributing colonies, £25 p.a.; other British subjects, £50 p.a.; Foreign subjects, £100 p.a. A limited number of students from contributing colonies on the nomination of the respective Governments are admitted without payment of tuition fees. *Associateship Courses*: British subjects, £75 p.a.; Foreign subjects, £125 p.a. The fees for the postgraduate course are the same as above, except that British subjects from contributing colonies pay only £15 p.a.

EXPENSES. The following figures are given as an approximate estimate

for students coming from a country to which they cannot return for the long vacation: Living, \$72 (£15) per mth.; 1st and 2nd yrs. 12 mths. (each £180); 3rd yr. 9 mths. (£135). Subscriptions, say £5 p.a. Books, tours, pocket-money, etc., a minimum of £100 (1st yr.), £120 p.a. (2nd and 3rd yrs.). To these must be added the College fees above set out, and also cost of passage to Trinidad in the first, and from it in the third year. In the case of students attending the College for one year, the expense will be approx. that of the third year, with the cost of return passage added. West Indian students who can return home for the long vacation and who are reasonably careful find it possible to cover all essential expenses, exclusive of the cost of passages and tuition fees, for about £220.

STUDENTS FROM INDIA AND FOREIGN COUNTRIES. Applications for admission from Indian students should be submitted through the High Commissioner for India.

The Academic Board will consider applications from students who are not British subjects on their producing evidence of having attained a standard equivalent to that prescribed by the regulations and of possessing an adequate knowledge of English. Such applications should be made through a British Consul, whose recommendation should also be obtained.

PUBLICATIONS. *Prospectus*; *Principal's Report*; *Tropical Agriculture* (monthly); *Memoirs and Reports*.

THE YEAR 1946-47

EXTRA-MURAL WORK. Visits of College officers to neighbouring colonies in the Caribbean area.

STUDENTS. Full-time: 51; graduates and refreshers, 20; preparing for diploma: 30; Special course: 1.

DIPLOMAS. 8.

ASSOCIATESHIPS. 8.

APPENDIX I

QUALIFICATIONS FOR ADMISSION TO A FIRST DEGREE IN THE UNIVERSITIES OF GREAT BRITAIN AND IRELAND

GENERAL OUTLINE

This Appendix relates only to the admission of students proposing to take full courses for a First degree.* A comparison of the university regulations regarding admission discloses a general agreement in principle, with divergencies in application. Before inserting a student's name in *matricula* all Univs. exact evidence that the applicant's intellectual equipment fits him to undertake a course of study for a degree. This is tested either by a matric. examn. held by the Univ. or group of Univs. concerned, or by the candidate's performance in an equivalent examn. Many of the Oxford and Cambridge Colleges require would-be entrants to pass a College examn. in addition to satisfying the Univ. entrance requirements. Bristol has discontinued its matricn. examn. as superfluous in view of the institution of the School Certificate and Higher Certif. examns. and the admission to them of candidates not presented by schools. Durham has followed Bristol's example so far as the Newcastle Division is concerned. Reading holds neither school examns. nor, except for candidates of mature years (23 or over), a matriculation examn., accepting, instead, credentials required by London or the Joint Matricn. Board of the Univs. of Manc., Liv., Leeds, Sheff. and Birm.

A Matriculation Examination for persons of mature years has been instituted by the above-mentioned Joint Board, and by London, Durham (King's College), Belfast, and Reading (*see* thereunder).

SCHOOL EXAMINATIONS.—ENGLAND AND WALES. A scheme originated by the Ministry of Education in consultation with all the Univs. of England for co-ordinating Secondary School examns. came into operation in England in 1918 and in Wales in 1920. Under this scheme the following are recognized by the Ministry—

I. As approved "First Examinations," suitable for pupils about the age of 16, the standard being such that a Pass with Credit in a certain number of subjects (generally 5) in the three main groups of School subjects (English subjects, Foreign Languages, Mathematics and Science)

* For conditions regulating the recognition of study at other Universities and admission for Higher degrees *see* pp. 8-16 and under the several Universities.

Students desiring to study in a University without intending to graduate are generally admitted if they satisfy the authorities that they are qualified to profit by the course of study they propose to take, and if accommodation is available for them. *See also* pp. 77 and 300.

would, provided certain conditions as to choice of subjects are satisfied, entitle a candidate to admission to a Univ. :—

School Certificate examns. of the Oxford and Cambridge Schools Examn. Board, of the Oxford Delegacy for Local Examns. and the Cambridge Local Examns. Syndicate (formerly known as Senior Local examns.), of the Univs. of Bristol and Durham, and of the Joint Matricn. Board of the Univs. of Manc., Liv., Leeds, Sheff. and Birm. ; the General School examn. of London ; and the School Certificate examn. of the Central Welsh Board. The conditions under which these examns. entitle candidates to admission to Univ. are set out in the Regulations of the various Examining Bodies.

In addition to the three groups of subjects above mentioned, First Examinations include a fourth group of optional subjects, such as Music, Drawing, Manual Work, Needlework, Housecraft. Excellence in these subjects will not exempt a candidate from the necessity of reaching a minimum standard in each of the other groups.

II. As approved Second Examinations, suitable for pupils about 2 years older, framed on the assumption that the candidate has, after the stage marked by the first examn., followed a more specialized course : —The Higher Certificate examns. of the Oxford and Cambridge Schools Examns. Board, Bristol, Durham, the Joint Matriculation Board, London, Oxford Delegacy for Local Examns., Cambridge Local Examns. Syndicate, and the Central Welsh Board.

With a view to securing equality of standard and the acceptance of the certificates by Univs. and Professional Bodies, the Ministry of Education exercises a co-ordinating authority with the help of a Secondary School Examinations Council composed of representatives of Universities, County Councils Asscn., Asscn. of Municipal Corporations, Asscns. of Education Committees, Teachers' Asscns. and other organisations, together with members nominated by the Minister of Education, under a Chairman appointed by the Minister. The Examinations Council keep in close touch with the Examining Bodies and conduct a regular scrutiny of their statistics, regulations, and syllabuses. In addition a detailed investigation of the methods and standards of award is held from time to time. Provision is made for ensuring that teachers in the Schools are brought into touch with the Examining Bodies ; that a School is examined, if it so desires, on its own syllabus, unless the Examining Body considers it inadequate ; and that estimates of the merits of their candidates in each of the subjects offered by them, if submitted by Head Masters and Head Mistresses, are taken into account in the award of certificates.

Schools are not required as a condition of recognition for grants from the Minister of Education to take these examns., but Schools on the grant list entering pupils for them under conditions approved by the Ministry receive an additional grant in respect of the examn. fees of each pupil so entered. The entrance of pupils attending grant-earning secondary schools for any examn. below the stage of a First Examn. is closely restricted

Among the functions of the Secondary School Examns. Council is negotiation with Univs. and Professional Bodies for the acceptance

of the examn certificates as exempting the holders from certain other examns. They are now accepted, subject to various qualifications, by all English Univs. and by a number of professional bodies as exempting from entrance examns. The Second Examinations are also recognized by many Univs. for exemption from Intermediate Examns. and for admission to Honours courses, etc.

The Higher School Certificate qualifies for exemption from the Intermediate degree examns. in the faculties of arts, pure science, and applied science, subject to certain conditions, at Durham and Bristol; also from the First Examn. (Pre-clinical) in the Faculty of Medicine at Durham, subject to rules in regard to subjects selected; in science, engineering and medicine (including dentistry) and in physics and chemistry only for B.V.Sc., at Liverpool; in arts, science, engineering and metallurgy at Birmingham; from certain courses in arts, science, technology and medicine (incl. dentistry) at Leeds; and from the external and internal Inter. examns. in arts, science, economics and commerce of London Univ., either in whole or in part, according to the subjects taken; from certain courses in arts at Manchester; at Reading, for exemption or partial exemption from the Inter. Examns. in the faculties of science, agriculture and horticulture, subject to certain conditions; at Sheffield,* exemption from the Prelim. Examn. in Chemistry and Physics for medical students and Pre-Registration Examn. in Chemistry and Physics for dental students may be obtained by students who have satisfied the examiners in Chemistry, theoretical and practical, and Physics, theoretical and practical, taken as two full group subjects in the Higher School Certificate Examn. (See below under each Univ. or groups of Univs.)

WALES. The School Certificate of the Central Welsh Board showing a pass with credit in all the required subjects of the matricn. examn. is accepted by the Univ. for matricn., provided that a pass with credit in four of the required subjects is obtained at one and the same examn.; so, also, are certifs. of other First Examns. (See below.)

SCOTLAND. On December 31, 1918, there came into operation Ordinance No. 70 (General No. 3) of the University Courts of the four Scottish Univs. as to Admission for purposes of graduation. This defines the normal test of fitness as "the production of evidence duly attested by a competent authority of the satisfactory completion of a suitable course of secondary education," and sets up an Entrance Board to regulate the application of this principle. This Board has provided by General Regulations for the recognition of Group Certifs. of the Scottish Education Dept. and, in the case of Schools in Scotland not regularly presenting candidates for these certifs., other evidence of completion of suitable courses. It has similarly provided for the recognition of Leaving or other certifs. in the case of applicants from outside Scotland. The admission of applicants who, owing to exceptional

* In and after June 1940 medical and dental students seeking exemption from the Pre-Registration Examn. have been required to satisfy the examiners in a third subject chosen from: English, a language other than English, History.

circumstances, have not been able to fulfil the normal conditions is provided for by Special Regns. (*See below.*)

IRELAND. The Leaving Certificate of the Dept. of Education of the Irish Free State or the Senior Certificate of the Ministry of Education of Northern Ireland is accepted by the Univ. of Dublin and the National Univ. of Ireland, subject for subject, in lieu of their matricn. examns., and by Belfast (subject to two provisos: (a) that a minimum of three *credits* be obtained; (b) that a higher percentage in Maths be obtained by candidates for entry into the Faculty of Science (Sch. of Civil Engin.) and Faculty of Applied Science than in other Faculties). Belfast and the N.U.I. also accept, subject for subject, certain other certificates. (*See below*)

ADMISSION OF STUDENTS FROM THE KING'S DOMINIONS OVERSEAS AND FROM FOREIGN COUNTRIES. As regards a student educated in another country the regulations are drafted on the understanding that the application of the ordinary entrance tests might be inappropriate owing to these tests having been framed with reference to secondary education curricula different from those which obtain in his own country, or to the student having reached a stage in his education at which the passing of ordinary entrance tests would involve a wasteful repetition of preparatory studies. They accordingly provide for the acceptance from such a student of other evidence of academic qualifications: ordinarily, certifs. (*e.g.* Dominion Matriculation examns., Abiturienten-examen, Baccalauréat), which would entitle to admission to a Univ. in the student's own country, together with such further evidence as may be necessary to ensure that no student shall be admitted to a course of study for a degree without a reasonable prospect of his being able to pursue it to graduation; in particular, if the student be one whose mother tongue is not English, evidence that he has a sufficient mastery of this language to enable him to follow courses of instruction conducted in English. When certificates are in a foreign language they should ordinarily be accompanied by a certified English translation. Unless the certificate shows on its face that it would admit the holder to a Univ. in his own country it should be accompanied by an authenticated declaration by a Government official, or official of an Embassy, Legation or Consulate of the country to which the applicant belongs, testifying that the certificate would entitle the holder to enter on a regular course of study in a Univ. or Technical Coll. affiliated to a Univ. in that country. Intending students should apply for information to the Registrar of the Univ. in which they desire to be matriculated. The regulations are summarized below under each Univ. or group of Univs.

SCHOOL EXAMINATIONS IN OTHER COUNTRIES are also recognized for admission to the Univs. of the United Kingdom. (*See below under each Univ. or group of Univs.*)

SPECIFIC CONDITIONS

Candidates for admission to a University in Great Britain or Ireland, unless they are graduates of a recognized University, must have passed

the appropriate Matriculation Examn. of that Univ. or they must have passed an alternative exempting examn.* The exempting examns., indicated by a number in this Appendix, are as follows :

1. Oxford Responsions ;
2. Cambridge Previous ;
3. London Matriculation ;
4. Durham Matriculation (for the Durham Colleges) ;
5. Wales Matriculation ;
6. Joint Matriculation Board of the Univs. of Manchester, Liverpool, Leeds, Sheffield and Birmingham Matriculation (if gained before Dec. 1, 1937) ;
7. Joint Matriculation Board of the Univs. of Manchester, Liverpool, Leeds, Sheffield and Birmingham Certificate, (a) Higher, (b) School ;
8. Oxford and Cambridge Schools Examn. Board's (a) Higher, (b) School ;
9. Oxford Local Examns. Delegacy (a) Higher, (b) School ;
10. Cambridge Local Examns. Syndicate (a) Higher, (b) School ;
11. Bristol Certificate (a) Higher, (b) School ;
12. Durham Certificate (a) Higher, (b) School ;
13. London General School ;
14. Central Welsh Board's (a) Higher Certificate, (b) School ;
15. Scottish Education Dept. Leaving Certificate ;
16. Scottish Universities Entrance Board Preliminary Examn. ;
17. Northern Ireland Secondary School Examn. Senior Certificate
18. Belfast Matriculation ;
19. National University of Ireland Matriculation ;
20. Irish Free State Leaving Examn. Certificate ;
21. Dublin, Trinity College, Matriculation ;
22. Army Education Certificate.

These examns. may be grouped as follows :

Higher School Examns. 7 (a), 8 (a), 9 (a), 10 (a), 11 (a), 12 (a), 14 (a)
 School Certificates. 7 (b), 8 (b), 9 (b), 10 (b), 11 (b), 12 (b), 13, 14 (b)
 15, 17, 20.

Matriculation. 1, 2, 3, 4, 5, 6, 16, 18, 21.

In addition certain Universities, *e.g.* those grouped under the Joint Board (No. 6 above), and Durham University, have special regulations for individual faculties (as to the subjects to be taken at the qualifying Entrance Examn.). The Scottish Universities have regulations as to subjects taken at the Entrance Examn. which affect admission to specific classes. The Universities also include certain examns. other than those enumerated above as qualifying for admission. These examns. and the conditions affecting them are referred to in the text below under each University or group of Universities.

* Most Universities are prepared to modify their normal requirements in order to meet the case of students whose course of study or education has been prejudiced by war conditions.

JOINT MATRICULATION BOARD OF THE UNIVERSITIES OF MANCHESTER, LIVERPOOL, LEEDS, SHEFFIELD AND BIRMINGHAM

The examns. held on behalf of these Univs. (School Certif. and Higher School Certif. in July, also School Certif. and Higher School Certif. Subsidiary subjects in September) are conducted by a Joint Board. Full information regarding admission to the constituent Univs. is contained in the pamphlet "Qualifications for entry upon a Degree Course," which may be obtained from the Secretary, 315 Oxford Road, Manchester, 13.

I. A candidate is qualified to enter upon a degree course at one of the five Univs. if (a) at one and the same School Certif. Examn. he has (i) satisfied the examiners in English Language, (ii) clearly passed in each of Groups I (English Literature, History, Geography, Scripture), II (Languages other than English) and III (Mathematics and science subjects), as defined in *Regulations for the Award of School Certificates*, (iii) reached the *credit** standard in at least one subject, (iv) gained a School Certif. and subsequently † (b) either (i) he is awarded a Higher School Certif. or (ii) at one and the same Higher School Certif. Examn. he reaches at least the Subsidiary standard in four subjects chosen from not less than two of the following three groups: *Group A*—English Language, English Literature, History or Ancient History, Geography, Art, Music, Scripture Knowledge, Economics; *Group B*—Greek, Latin, French, German, Spanish, French-with-German (may not be taken with either French or German), other approved language; *Group C*—Pure Maths., Applied Maths., Physics, Chemistry, Botany, Zoology, Biology (may not be taken with either Botany or Zoology), Geology, Elem. Physiology and Hygiene (may not be taken with either Biology or Zoology), Handicraft, Domestic Subjects, Geometrical and Machine Drawing.

If a School Certif. is acceptable under I (a) except that one of the Groups I, II or III is not represented, a subject of the missing group must be passed either (i) at the *credit* standard in the School Certif. Examn., or (ii) as one of the subjects required under I (b) above, or (iii) as a subject of the Higher School Certif. examn. additional to the requirements under I (b) above.

English Language (S.C.) is not included in any group and a pass in the subject in the School Certif. Examn. does not constitute a pass in Group I. A pass in Subsidiary English Language of the Higher School Certif. Examn. is, however, accepted in lieu of a pass in Group I (S.C.).

II. School and Higher School Certifs. of the following examining bodies are accepted under I (a) and (b) on the same conditions as corresponding certificates issued by the Board, provided that if, after 31st

* A School Certif. lacking a *credit* in at least one subject can be supplemented only by obtaining a full Higher School Certif.; it cannot be supplemented by passing in Subsidiary subjects under I (b) (ii). If one of the Groups I, II or III is not represented the defect must be rectified as required above.

† The four required Subsidiary subjects may not be taken in the September examn. of the year in which the School Certif. is gained.

December 1939, a foreign language has been offered at the Subsidiary standard under I (b) (ii), translation into the language has been included:

- (a) The Oxford and Cambridge Schools Examination Board.
- (b) The Oxford Local Examinations Delegacy.
- (c) The Cambridge Local Examinations Syndicate.
- (d) The University of London.
- (e) The University of Durham.
- (f) The University of Bristol.
- (g) The Central Welsh Board.

III. A Certificate of having passed any one of the following examns. will be accepted under I (a) in lieu of a School Certif.; * the conditions of I (b) must also be fulfilled: 1, 2, 3, 4, 5, 16, 17, 18, 19, 21 (v. *supra*, paragraph headed "Specific Conditions"), the Intermediate Certif. Examn., Department of Education Eire,* and the Forces Preliminary Examn.†.

IV. The Board also conducts the following examns. for Univ. entrance:

(a) *Special University entrance examn.*—Candidates must be 17 years of age on or before July 31 of the year of examn.; must reach the required standard at one and the same sitting in English Language and in five other subjects from the three groups set out on page 974, at least one subject being chosen from each group. Entries for the examn. on the prescribed form, together with the examn. fee of £3 and the candidate's birth certificate, must be received by the Secretary on or before April 1 (September 1 for the September examn.).

(b) *Examn. for candidates of mature years.*—This examn. may be taken only by candidates who desire to proceed to a degree course in one of the constituent Univs., and who are not less than 23 years of age on May 1 of the year of examn. Candidates who have served in the armed forces for at least 12 months, such service to be prior to Aug. 15, 1946, or were engaged during the war on other forms of national service approved by the Board for this purpose, may be admitted to the examn. although they may not be 23 years of age. Further details may be obtained from the Secretary.

(c) *Examn. for candidates who have been engaged in industry or commerce* may be taken only by candidates who desire to proceed to a degree course in one of the constituent Univs. and have been engaged in full-time employment for at least three years, have attended systematic courses of instruction satisfactory to the Board for a period of at least three years and are not less than 19 years of age on July 31 of the year of examn. Further details may be obtained from the Secretary.

V. A candidate is regarded as satisfying the Board's requirements if he holds any one of the following:

A degree conferred by an approved Univ. after examn.

* Certificates gained after Dec. 1, 1947, must have been gained at one sitting and must show passes in at least one subject of each of Groups I, II and III of the Board's School Certif. Examn.

† This Certificate need not necessarily be obtained at one sitting, but a certif. gained after Dec. 1, 1947, must show passes in at least one subject of Groups I, II and III of the Board's School Certif. Examn.

A Matriculation Certif. awarded by the Board before December 1st, 1937, or a certif. awarded before that date which fulfils the requirements then in force for exemption from the Matriculation Examn. of the Board.

A certif. showing that the holder has attended for at least two years full-time courses approved by the Board and has passed the final examination of a training college accepted by the Board for this purpose.

A certif. showing that the holder is a Barrister called to the English Bar or a Solicitor admitted on the Rolls after passing the Final Examn. of the Law Society (*Faculty of Law only*).

The Leaving Certif. of the Scottish Education Dept., provided that the candidate passed at one and the same examn. in five subjects at the Higher Standard (a pass in either Physical Science or Natural Science will be regarded as equivalent to a pass in two science subjects).*

The School Leaving Certif. of the Ministry of Education, Northern Ireland, provided that at one sitting the candidate reached the *credit* standard in English and in four other subjects, including at least one subject of each of Groups I, II and III of the Board's Senior Certif. Examn. (Passes *with credit* in subjects offered at the Subsidiary standard are not acceptable.)

The Leaving Certif. of the Dept. of Education, Eire, provided that the candidate passed with Honours at one and the same examn. in five Full Course subjects.†

The Special Army Education Certif. at the Advanced Standard, duly attested.

The Matriculation Certif. of an approved British Overseas Univ.

A certif. of having passed at one and the same examn. the Intermediate Examn. in Arts, Science or Medicine, of an approved Indian Univ.

The Matriculation Certif. of the Palestine Board of Higher Education.‡

The Secondary Education Certif., Part II, of the Egyptian Ministry of Education. On certifs. issued in and after June 1938, a pass in the Special Part must be shown.

The Baccalaureat Certif. of Iraq,§ provided that the candidate is recommended by the Iraqi Ministry of Education.

* Certificates gained after Dec. 1, 1947, must show a pass at one and the same examn. in five subjects at the Higher Standard, including at least one subject of each of Groups I, II and III of the Board's School Certif. Examn.

† Certificates gained after Dec. 1, 1947, must show a pass with Honours at one and the same examn. in five Full Course subjects, including at least one subject of each of Groups I, II and III of the Board's School Certif. Examn.

‡ Certificates gained after Dec. 1, 1947, must show that at one sitting the candidate reached the *credit* standard in English, Syllabus A, and in four other subjects, including at least one subject of each of Groups I, II and III of the Board's School Certif. Examn.

§ A certificate showing the passing of the Commerce section is not acceptable if gained after Dec. 1, 1947.

A foreign examn. certif. which entitles the candidate to enter upon a degree course in all Faculties of a recognised Univ. of the country in which the certif. was issued if that country is not specified above.

VI. The Board will exercise its discretionary power of accepting certif. of having passed other examns. of a standard at least equal to those mentioned above.

VII. The War Emergency Regulations governing the requirements for entry upon a degree course were withdrawn on December 1, 1947. Candidates for Univ. entry who satisfy the War Emergency Regulations by examns. passed before that date will still be regarded as having satisfied entry requirements at any time thereafter, but in examns. taken after November 30, 1947, one of the requirements set out above must be fulfilled.

N.B.—Birmingham. Applications from overseas students must be received in writing on or before April 1, and should preferably be submitted through the appropriate authority, such as the British Council, the High Commissioner for India, the Colonial Office, etc., etc.

Leeds receives applications from persons resident outside the United Kingdom up to May 31.

At *Liverpool* the Senate, after report from the faculty concerned, determines before registration whether the applications of foreign, Egyptian, or Indian students shall be accepted. Applications for registration from such students must be received before Oct. 1 in each year, and must be accompanied by detailed references certifying as to character and educational qualifications. All such students, before admission to courses of study in the Univ., shall satisfy the Faculty concerned that they have a knowledge of English sufficient for the purpose of their work. Such students must submit their applications for admission not later than Oct. 1 in each year.

Except by special permission of the Senate, no student who is not normally resident in Great Britain will be admitted to classes or courses of study in the Univ. unless he is accredited on personal and academic grounds and is assured of adequate financial support by his own Government or by some approved academic institution.

Special Regulations for Entrance to Faculties

BIRMINGHAM. Candidates entering the *Arts* faculty are required to have included a pass with credit at School Certif. standard in Latin or Greek if they wish for admission to the Special Schools of Classics, English, French, Italian, Spanish or History.

Arts and Science. Students who propose to take Pure Maths. Course I. in the Univ. must have passed a Higher School Certif. Examn. in Pure Maths. at subsidiary standard or submit evidence to the Faculty that they are capable of profiting by the course.

Law. Candidates for the LL.B. must have passed in Latin and in a modern foreign language.

Commerce. Candidates entering for the degrees of B.Com., B.Com. (Social Study), or B.Com. (Social and Political Science) must have a pass

with credit in Maths. at School Certif. standard. Students proposing to enter the office of a merchant are strongly recommended to study two modern foreign languages whilst at school.

LEEDS. For admission to courses for the B.A. in certain Honours Schools a Latin or Greek qualification is required.

Medical and Dental students are ordinarily required to have passed in Maths. at a School Certif. or equivalent examn.

Admission to Advanced Standing.—Subject to a minimum attendance in this Univ. of 2 yrs., members of other Univs. requiring residence as a condition of graduation may be permitted to count their studies and examns. (other than the Final examn.) therein towards graduation in Leeds.

LIVERPOOL. Candidates for the B.A. are required to have attained the standard represented by a mark of credit in the School Certif. Examn. in Latin or Greek or, in approved instances, another classical language.

Engineering. Students are recommended to pass in Maths. (with the paper in Additional Maths.) and in Physics and Chem. In the second examn. qualifying for admission to courses for the degree, viz., the Higher School Certif. Examn. at the subsidiary standard, it is important that the subjects of examn. should include Pure Maths. and two of the following: Applied Maths., Physics, Chem.

MANCHESTER. Students entering for the following degree courses must have reached the credit standard in a School Certif. examn. in the subjects named or give evidence of having attained an equivalent standard: 1. Hons. Schools in *Arts* (save Archit., Pol. and Mod. Hist., Mod. Hist. with Econ. and Pol., Philos., Psychology, Geog. and Semitic Studies)—Latin (*or* Greek in case of Hons. Schools of English or German *or* Maths. in case of Hons. School of Maths.), unless prepared to devote 4 yrs. to the course. Students entering Hons. course in Combined Subjects must satisfy this reguln. if it applies to the Hons. course in either of the two subjects combined. The requirement of Latin may be waived in certain cases of students where entry has been deferred by war service or conditions. 2. *Science*—Maths. 3. *Law*—Latin. 4. *Medicine*—Maths., Chem., Physics, and one of Latin or Greek, or French or German. (The requirement of Chem. and Phys. is not imposed on holders of Higher School Certificates.) 5. *Dentistry*—Maths., Chem., Phys. (see note to *Med.* above). 6. *Technology*—Maths.

SHEFFIELD. *Arts.*—Candidates for the Intermediate Examn. who propose to offer a language or languages in which they have not passed in the recognized qualifying examn. for entry upon a degree course, must before admission to full Intermediate Courses satisfy the Heads of the Depts. concerned that their knowledge of the language or languages is sufficient for them to profit by the course in the subject or subjects. This regulation applies also to Music. Candidates who have passed with credit in either Latin or French in the School Certif. Examn. may be admitted to the full Intermediate Course in Spanish without any

previous knowledge of that language. The course for beginners in Greek is recognized as a full Intermediate course in certain circumstances.

Law students must have qualified in Latin.

Engineering students should present Maths. and include Mechanics or Physics or Chemistry.

Metallurgy students should present Maths., Physics, and Chemistry.

BRISTOL

The University holds no Matriculation Examn. but recognizes the exempting examns. set forth below as qualifying for matricn., provided that the following requirements of the several Faculties are fulfilled :

Students intending to pursue a course for a degree in the Faculty of Arts must pass with credit in either Latin or Greek ; for B.A. in Commerce they must pass with credit in a modern foreign language and in either Maths. or a Classical language ; in the Faculties of Science, Medicine or Engineering must pass with credit in Maths. ; in the Faculty of Law must pass with credit in Latin or give evidence of such proficiency in Latin as may be satisfactory to Senate.

Exempting Examinations

Great Britain and Ireland. (a) Nos. 1, 2, 3, 4, 5, 6, 16, 18, 19, 21, 22 ; also 7 (a), 8 (a), 9 (a), 10 (a), 11 (a), 12 (a), 14 (a), provided candidates hold a First School Certificate ; and 7 (b), 8 (b), 9 (b), 10 (b), 11 (b), 12 (b), 13, 14 (b), 15, 17, 20, with credit in 5 subjects taken at one and the same time, which must comprise (1) English Lang. ; (2) Maths. or Latin or Gk. , (3) three other subjects not already taken under (1) and (2) from the following : English Lit., Hist , Geog., Music or Art or Relig. Knowl. or Domestic Sci., Gk., Latin, French, German, any other approved lang., Maths. or additional Maths., Mechs., Physics, Chem , Bot., Biol., Physics with Chem , Geol., Sci., General or additional Gen. Sci. Provided that candidates who take Maths. under (2) must include a lang. ; candidates who take Latin or Gk. under (2) must take Maths. or a Sci. ; candidates who take Biol. may not take Bot. and candidates who take Physics with Chem. may not take Physics or Chem.

In Maths , or Latin, or French, or German (but not in more than one of these subjects) a somewhat lower standard may be accepted for purposes of matricn , provided that the candidate has passed with credit in five other subjects in accordance with the requirements set out above. A lower alternative standard in Latin or Greek will not be accepted as fulfilling the requirements for entry into the Faculty of Arts, nor will a lower alternative standard in Maths. be accepted as fulfilling the requirements for entry into the Faculties of Science, Medicine and Engineering.

(b) Forces Preliminary Examn., subject to interview and to the fulfilment of the Faculty requirements.

(c) Trained certificated teachers' qualifications under certain condns.

(d) Barristers-at-law and Solicitors of the Supreme Court.

(e) Gradn. in a Univ. in the U.K. or in some other approved Univ.

(f) Sufficient qualification for original research in case of candidate for a research degree.

(g) Norwegian Matriculation Certif., provided the requirements of the Faculty are fulfilled

(h) In exceptional circumstances sufficient education and attainments in the case of candidates over 23 yrs.

Overseas Students. A candidate educated elsewhere than in the U.K. may submit to the Senate evidence of having passed examns. elsewhere equal to the Matricn. Examn. of any Univ. of the U.K., or to any of the other examns. which qualify for matricn. at Bristol; if from an Oriental country, he must submit evidence of previous education in his own country and of ability to follow instruction given in English.

Palestine. The Palestine Matriculation Certif. is accepted for exemption provided it shows a pass in English under Syllabus A. and that the 6 subjects in which the candidate has passed include 5 which conform to the matricn. requirements of the Univ. The Senate may thereupon, if satisfied with the evidence, declare him eligible for matricn.

CAMBRIDGE

To become an undergraduate member of the Univ. a person must first be admitted as a member either of a College or of Fitzwilliam House (Non-Collegiate). No person, except Research Students (*see* p. 80) and certain others, may be matriculated who has not passed or been exempted from the Previous Examn.

For admission, application should be made to the proper officer: the Tutor for Admissions, Christ's; the Senior Tutor, Gonville and Caius, St. John's, Cath., Down.; the Tutor, Clare, Corp., Pet., Trin. H.; one of the Tutors, Trin.; the Provost or Tutor, King's; the President, Queens'; the Master, Emm., Jesus, Magd., Pem., Sid., Sel.; the Censor, Fitzwilliam House; the Secretary, Girton; the Principal, Newnham. It is advisable to apply at least 12 mos. beforehand.

The *Previous Examination* comprises: I. (a) Latin, (b) Greek, (c) French, (d) German, (e) Italian, (f) Spanish; II. (a) Maths. (elementary), (b) Maths. (less elementary), (c) Experimental Physics and/or Chemistry; III. (a) English essay, précis writing, and other tests of the understanding and use of English, (b) Holy Scripture (a Gospel or the Acts of the Apostles), (c) English History.

Candidates must pass in two of the languages in Part I., including (a) or (b), in II. (a) and either II. (b) or II. (c), and in III. (a) and either III. (b) or III. (c). The three parts may be taken separately.

Natives of Asia or Africa, not being of European descent, may offer English literature in lieu of one of the languages [other than (a)] in Part I., and Arabic, Chinese, Sanskrit, or Pali, in lieu of I. (a).

Exempting Examinations

Great Britain and Ireland—Exemption, complete or partial, is obtainable under certain conditions by means of School Certificates, Matriculation Certificates, etc. (*see* below), Higher (School) Certificates; Certificates of the Scottish Educn. Dept.; Certificates of the Navy, Army, and Air Force Entrance Examn. and the Dartmouth Passing Out Examn

Matriculation Certificates, etc. Certificates of approved examns. (*see*

below) give exemption from the whole Previous Examn., for passes in Latin or Greek, in a subject of Schedule A (*see* below), in English, and in a fourth subject; from all but Latin or Greek, for passes in a language other than English or Latin or Greek, in a subject of Schedule A, in English, and in a fourth subject; from Part I., for passes in Latin or Greek, and in a second language other than English; from Part II., for a pass in a subject of Schedule A; from Part III., for a pass in English.

Schedule A comprises Maths.; Elem. Maths.; Higher Maths.; Mechanics; Physics; Chem.; Physics-and-Chemistry; Gen. Sci.; Biol.; Bot.; Zool.; Nat. History; Heat, Light and Sound; Electricity and Magnetism.

The approved examns. and certificates are Nos. 1, 3, 4, 5, 6, 16, 17, 18, 19, 21, and examns. subsequent to Matricn., held by any of these Univs. Also Nos. 7, 8, 9, 10, 11, 12, 13, 14, if passed *with credit*, and 15 and 20 under certain other conditions. Supplements or endorsements of certificates are taken into account, and exemption may be granted upon the joint evidence of two or more certificates.

Exemption is also given to Commissioned Officers of H M. Forces who are resident in Cambridge under the orders of the Naval, Military, or Air Force Authorities; and may be given to foreign officers under similar conditions. For the purpose of this regulation a Midshipman in the Royal Navy shall be treated as a Commissioned Officer.

The Forces Preliminary Examn. is also recognized for the purposes of exemption.

Exemption is granted to adult students who are recommended by the Board of Extra-mural Studies as fit to undertake a course leading to an honours degree.

Dominions—The Matricn. Examns. of Univs. of Dalhousie, McGill, Manitoba, New Brunswick, Queensland, Saskatchewan, Sydney and Toronto; the Univ. Entrance Examn. of the Univ. of New Zealand, examns. normally recognized for purposes of matricn. by the Univs. of Adelaide, Alberta, British Columbia, Melbourne, Queen's (Kingston, Ont.), Tasmania, W. Australia, W. Ontario, and the S. African Univs., and examns., subsequent to matricn., held by any of these Univs.

India—A candidate who has attained the 1st class in the Interm. Examn. in Arts or Science, or the 1st or 2nd class in the examn. for the B.A. or B.Sc. in an approved Indian Univ., is exempted from the Previous Examn., provided that in some examn. leading up to the B.A. or B.Sc. in that Univ. he has passed in Arabic, Persian, Persian-with-Arabic, Sanskrit, Hindi-with-Sanskrit or Pali, in Maths. or Science, and in English. Univs. approved for this purpose are the "Associated Institutions" (*see* below) together with the Univs. of Andhra, Benares, and Nagpur.

A candidate who has attained the First Class in the Interm. Examn. held by the Board of High School and Intermediate Education of the United Provinces of India, or by the Board of High School and Intermediate Education, Rajputana, Central India, and Gwalior, or in the Intermediate Examn. of the Board of Intermediate or Secondary Education, Dacca, is exempted if either in this examn. or the High

School Examn. which leads up to it he has passed in a classical language, Maths., English, and History or Geography.

Hong-Kong—The Matriculation Examn. of Hong-Kong Univ.

Europe—The holder of a certificate qualifying him for admission without further examn. into the Univ. of any European State may be exempted from Part I. if the certificate includes two languages, other than his mother tongue, of which one is Latin or Greek; from Part II., if it includes Mathematics or Science; from Part III., if it includes a modern language, which may be his mother tongue, other than that used for exemption from Part I. Any subject in which the holder of one of the certifs. referred to has passed in an examn. which is certified by the authorities of the Univ. concerned as ranking higher than the examn. on which the original Certif. was obtained, may be counted as if it were included in that Certif.

U.S.A.—A student who has either (a) passed the examn. of the Coll. Ent. Examn. Bd. for admission to a Univ. or Coll. of the U.S.A., or (b) qualified for admission to a Univ. or Coll. of the U.S.A. which is an "Associated Institution"; and in the Bd.'s examn., or in examns. conducted by the Assoc. Inst., or partly in one and partly in the other, has obtained the requisite units (or an equivalent standard), may be exempted from Part I., for 4 units in Latin or Greek, and 3 units in a second language other than English; from Part II., for 3 units in Maths. or Sci., or partly in Maths. and partly in Sci.; from Part III., for 3 units in English. The Council are prepared, as an emergency measure, to consider the grant of complete or partial exemption from the Previous Examn. upon evidence that a student has (i) studied at school, to the necessary extent, subjects necessary for such exemption; (ii) undergone the tests of the College Ent. Examn. Bd.; and (iii) been approved for admission to a Univ. or Coll. in the U.S.A. which is an Associated Institution in relation to the Univ. of Cambridge.

Egypt—Holders of the Egyptian Government Secondary Education Certif. who are not of European descent.

Palestine—A student of non-European descent who has been awarded a scholarship by the Govt. of Palestine for study at Cambridge is exempted if he is a B.A. of the American Univ. of Beirut and if the examns. leading up to his degree include English, Maths., or Science, and one of the languages, Greek, Latin, French, German, Arabic, Hebrew.

The holder of a Matriculation Certificate of the Palestine Bd. of Higher Studies who is not of European parentage is exempted under the same conditions as the holder of a British Matricn. Certificate.

Admission to Advanced Standing. A graduate of an "Associated Institution" who has been a member of it for 3 yrs. is entitled to the privileges of an Affiliated Student. The "Associated Institutions" are: (1) all the Univs. of Gt. Britain and Ireland, and St. David's Coll., Lampeter; (2) in Canada—Acad., Alta., Bishop's Coll., Br. Col., Dalh., Laval, McGill, McMaster, Manit., Montr., Mt. All., New Bruns., Ottawa, Queen's, Sask., Tor., W. Ont.; (3) in Australia—all; (4) New Zealand; (5) Hong-Kong; (6) in S. Africa—all; (7) in India—Agra, Alig., Alld.,

Bom., Calc., Dacca, Delhi, Luck., Madras, Mysore, Osmania, Panj., Patna; (8) Rangoon; (9) in U.S.A.—Amherst Coll., Bowdoin Coll., Bryn Mawr Coll., California, Cath. U. of America, Chicago, Columbia, Cornell, Dartmouth Coll., Georgetown, Harvard, Haverford Coll., Johns Hopkins, Mass. Inst. of Tech., New York, N. Carolina, Ohio State U., Pennsylvania, Princeton, Radcliffe Coll., St. Louis, Smith Coll., Stanford, Swarthmore Coll., Vassar Coll., Wellesley Coll., Williams Coll., Wisconsin, Yale.

The following may also be admitted as *Affiliated Students*: (a) certain adult students recommended by the Board of Extra-mural Studies, (b) certain other students on a Grace proposed by the Council of the Senate. An Affiliated Student is entitled to (1) be exempt from the Previous Examn.; (2) reckon the first term kept by residence as the 2nd, 3rd, or 4th term for the purposes of certain provisions respecting the standing of candidates for (a) Tripos examns., or for degrees in Law or Music, and (b) degrees other than the ordinary B.A. degree or degrees of M.Sc., M.Litt., and Ph.D.; (3) secure such a degree in certain circumstances on one part or section of a divided Tripos.

The status of Master of Arts may be granted to a member of the Univ. over 27 yrs. of age who is engaged in teaching or research, and carries M.A. privileges with regard to the Univ. Library, etc., academical dress and lodgings.

Incorporation. Admission by incorporation of graduates of Oxford and Dublin. See p. 77.

DURHAM

The University conducts a Univ. Entrance Examn., held in January, July and September, at Durham, Newcastle and other centres arranged. Candidates are required to pass in (a) English; (b) two subjects, of which one must be chosen from Group A (Languages) or Group B (Science subjects) or Group C (Modern History, Geography), and the other subjects from another of these groups; (c) two other subjects.

Exempting Examinations

Great Britain, Ireland:—(1) Nos. 1, 2, 3, 5, 16, 18, 19, 21, and the special examn. for candidates of 17 years of age of the Joint Matriculation Board.

Either (2) 5 credits at not more than two sittings in 7 (b), 8 (b), 9 (b), 10 (b), 11 (b), 12 (b), 13, 14 (b), 15, 17, the Intermediate Certificate of the Department of Education of Eire; *or*

(3) A pass including 3 credits in one of the examns. under (2), with passes in two other subjects in 7 (a), 8 (a), 9 (a), 10 (a), 11 (a), 12 (a), 14 (a), and London Higher School Certificate.

(4) Graduation in a Univ. in the British Isles or other approved Univ.

Overseas—Candidates must submit satisfactory evidence that they are qualified for the courses they propose to enter, including evidence of sufficient knowledge of the English Language. The following certificates among others may be accepted:

Dominions—Certificates awarded by a public examining body in

Canada, Australia, South Africa and New Zealand, qualifying for admission to a Univ. in the Dominion in question.

India—Intermediate examn. of an approved Indian Univ. Applications must be submitted through the office of the High Commissioner for India.

Newfoundland—Certificate of the Junior Associated Grade of the Council of Higher Education for Newfoundland.

Palestine—Palestine Matriculation Certificate.

Egypt—Secondary School Certificate, Part II, of Egyptian Ministry of Education.

Other Countries—Certificates will receive separate consideration.

Special Exemptions

(i) Candidates who have attained the age of 19, and produce satisfactory evidence that they have been engaged, for approximately two years since the age of 16, in technical and professional occupations which have afforded experience related to the courses which they propose to follow, may matriculate on passing certain papers in the Univ. Entrance Examination or other tests.

(ii) Candidates for degrees in Applied Science, who hold the National Certificate (Ordinary or Higher) or the National Diploma in any relevant branch of technology, may matriculate subject to their passing in an approved English paper and having had two years' experience in industry.

(iii) Applications for other special exemptions may be considered.

Special Regulations for Entrance to Faculties

Candidates matriculating on passing the Univ. Entrance Examination, or an exempting examination or by graduating at a Univ., must have included the following subjects. If the examination was a School Certif. Examn., a pass with credit is required.

Arts (except Town and Country Planning, Fine Art, and Social Studies)—Latin; also French if French is to be included in the course.

Fine Art—No special subjects required in School Certificate Examn., but candidates must satisfy the Head of the Dept. that they are qualified to take the course. Candidates taking the Univ. Entrance Examn. must pass in English and two other subjects other than Fine Art, and pass a special examn. in Fine Art.

Town and Country Planning—Mathematics and a modern foreign language.

Social Studies—No special subjects required.

Architecture—Mathematics.

Medicine and Dentistry—English, Mathematics and a language other than English.

Pure Science—One of the following: Mathematics, Additional Mathematics, Physics, Chemistry, Chemistry with Physics, Botany, Zoology, Biology, Geology, Geography, General Science.

Applied Science—(Engineering, Electrical Engineering, Naval Architecture, Mining) Mathematics or Additional Mathematics (Agriculture, no special subjects required).

Commerce—French if French is to be included in the course.

Law—Latin.

Ex-Service Candidates—Men or women who have been engaged on full-time national service may be admitted as matriculated students after (i) giving satisfactory evidence of educational standards, and (ii) an interview, if necessary. For details apply to the Registrar.

LONDON

The University conducts three examns. qualifying for matriculation .

- (1) The Matriculation Examn.
- (2) The General School Examn.
- (3) The Special University Entrance Examn.

(1) Three times a year in London, and twice a year in certain Provincial centres, the University holds a Matriculation Examn. open to all persons of 16 years of age and upwards. To pass, a candidate must at one and the same examn. satisfy the examiners in English, Elementary Maths., and 3 of the following : (a) Latin, (b) Greek, (c) Botany, (d) Chem., (e) Heat, Light, and Sound, (f) Mech., (g) Elect. and Magnetism, (h) Physics, (j) Biol., (k) Zool., (l) General Science, (m) Additional General Science, (n) Geol., (o) French, (p) German, (q) Spanish, (r) Italian, (s) Russian, (t) Welsh, (u) New Testament Greek, (v) any other approved language, (w) History—Roman, or Greek, or English, or European, or of the British Empire, (x) Geog., (y) Logic, (z) Drawing—geometrical and mechanical, (aa) Maths.—more advanced, (bb) Music—theory, (cc) Econ., (dd) Religious Knowledge, (ee) English Lit. One of the 14 subjects (a) to (t) must be included, except in the case of certain Asiatic or African students or Jewish students (resident in Palestine), who may be permitted to offer one of the following in this section : Arabic, Chinese, Classical Hebrew, Pali, Persian, Sanskrit, Classical Syriac ; and one of the subjects offered must be a lang. other than English. Candidates may present two special Oriental langs. under certain conditions. At the Intermediate Examn. in Arts it is compulsory to offer (a) or (b), whether taken at the Matricn. examn. or not. Law students are advised to offer (a) and English History.

This examn. may also be held in any of the British Dominions or Colonies, and certain Protectorates and Mandated Territories, and at centres outside the Empire, upon the application of His Majesty's Representative in the countries concerned.

(2) The Examinations for School Certificates are held only in Schools or under approved inspection ; the course of study in the school must also be approved. The examns. are of 2 grades : I. Higher, for the Higher School Certif., and II. General, for the General School Certif. The examn. fees are £3, Higher ; £2 : 5s., General. At the General candidates may qualify for exemption from Matricn., and at the Higher for exemption from Interm. Examns. (Arts, Sci., Comm., Econ., Engin., First Medical), extra fees being payable. The combination of subjects that may be taken at the General School examn. offers greater variety than is the case in the Matricn. examn., and a pupil who reaches the necessary standard at one and the same examn. in a combination required for Matricn. is entitled on payment of the registration fee of

£2 : 2s. to be registered as a Matriculated student of the Univ., if or when he has attained the prescribed age. A candidate who obtains a General School Certif. but fails to reach Matricn. standard at that Examn. may still qualify for Matricn. if he afterwards obtains a Higher School Certif.

(3) The Special University Entrance Examination is open to :— I. Persons aged 19 yrs. or over holding (a) Certifs. of Matricn. in Colonial, Dominion, Indian, or foreign Univs., or (b) School or other Certifs. obtained abroad which in the opinion of the Principal indicate a standard equivalent in their own country to that required for matricn in this Univ. II. Persons over 23 yrs. of age.* The Examn. is usually held in March, May, Sept. and Dec., and consists of 4 or 5 subjects, of which English and either Maths. or Logic are compulsory. English-speaking candidates are required to offer a lang. other than English. No candidate is admissible unless it is his *bona fide* intention to proceed to a degree or diploma in the Univ. All candidates must attend in London for both the written part (which lasts 2 days) and the oral part of the examn. No syllabus is published. The fee is 3 gs.

As a war measure the Senate have decided that a student who has already taken the Matriculation Examn. and failed to pass *in one subject only* may be allowed to offer that subject alone at a subsequent Matriculation Examn. The same concession is allowed in the case of a candidate who has obtained four of the necessary five credits in the School Certificate Examn.

Full information regarding all these examns. may be obtained from the Secretary, Matriculation and School Examinations Council, University of London, Senate House, London, W.C.1.

Exempting Qualifications

Exemption may be obtained by (1) graduates of any of the Univs. of the U.K. and the following overseas Univs. : In Canada—Acadia, Alta., Bishop's Coll., Br. Columbia, Dal., King's, Laval, McGill, McMaster (B.A. only), Manit., Montr., Mt. Allison, Ottawa, New Bruns., Nova Scotia Tech. Coll., Queen's, Saskatchewan, Tor., Vict. (Tor.), W. Ontario ; Australasia—Adel., Melb., Qld., Syd., Tas., W.A. (Arts, Sc., Agr., Eng.), N.Z. ; S. Africa—Cape, Cape Town, S. Afr., Stell., Witw. ; India—Agra, Aligarh, All., Andhra, Annamalai, Benares, Bom., Calc., Delhi, Lucknow, Mad., Mys., Nagpur, Osmania, Patna, Travancore ; Pakistan—Dacca, Panj. ; Ceylon ; Rang. ; Hong-Kong ; Malta ; certain Univs. in countries outside the British Empire ; (2) subject to certain conditions, persons who have passed the examns. numbered 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20 ; (3) persons who hold the Adelaide Leaving Certif., Melbourne School Leaving Certif., New South Wales Leaving Certif., Queensland Senr. Public Examn., Sydney Matricn., Tasmanian Public Leaving Examn., W. Australia School Leaving Certif., New Zealand University Entrance Examn., N. Zealand School Certif., Matric. Examn. Certif. of the Joint Matric. Board of South Africa,

* Under an Emergency Measure the age for admission has been lowered to 19 for persons serving in H.M. Forces, Merchant Navy, Allied Forces, and corresponding Women's Services.

National Senior Certif. of Union of S. Africa, Secondary School Senior Certif. of the Dept. of Public Education, Cape of Good Hope, Transvaal Secondary School Certif., Orange Free State School Leaving Certif., Ontario Upper School Certif, Senr. Matric. Certif. of Dept. of Educ. of British Columbia, Ceylon Senior School Certif. (English), Palestine Matriculation Examn. (Board of Higher Studies), provided that the student has reached a specified standard at one and the same examn. in English, Maths., and 3 other prescribed subjects, of which one must be an approved foreign language.

The regns. relating to exemption from the Matricn. Examn. have been amended so that any School Certif. together with any Higher School Certif., obtained in or after 1937, of the following approved Examining Bodies will be accepted for the purpose of exemption from Matricn.: Bristol Univ., Cambridge Local Examns. Syndicate, Central Welsh Bd., Durham Univ., Joint Matriculation Board, Oxford Local Examns. Delegacy, Oxford & Cambridge Schools Examn. Bd.

The introduction of these regns. does not exclude the existing regn. which permits a candidate to qualify for Matricn. at the School Certif. Examn. providing he obtains the necessary credits required under the regns.

OXFORD

Admission to the Univ. ("Matriculation") is without respect of sex, age, nationality, or creed, and follows upon admission to a Society, *i.e.* a College or Hall or Society. No one can become a member of the Univ. unless he first becomes a member of one of these Societies. An application for admission must therefore be addressed, not to any officer of the Univ., but to the proper officer of the Society to which admission is desired, *e.g.* Balliol—The Tutor for Admissions; St. Catherine's Society—The Rev. the Censor; in other cases—The head of the Society. (*See* Colleges, etc. under Oxford Univ.) It should be made, if possible, a year or more before residence is contemplated, especially if rooms within the College are desired. Except for certain classes of persons the passing of an entrance examn. is a condition of admission to matricn.

The Colleges and Halls and Societies require certain qualifications of character and intellectual attainment in which the passing of *Responsions* or some equivalent examn. is necessarily included.

Responsions comprises: I. (a) Latin, (b) Greek; II. (a) Holy Scripture, (b) English, (c) French, (d) German, (e) Italian, (f) Spanish; III. (a) Maths., (b) Natural Science. To pass, a candidate must have satisfied the examiners *either* in both subjects from Group I. and in both subjects from Group III., *or* in at least one from each group and in 4 subjects in all; he must also have passed in 2 languages other than English, and either have passed in all 4 subjects at one examn. (in which case special merit in one or more subjects may compensate for comparative weakness in any one) or in 3 at one examn. and in a fourth at a subsequent examn. Candidates who have been engaged on approved war service for not less than 6 mths., and who were born on or before Dec. 31, 1928, are only required to pass in 3 of the 4 subjects specified.

Exempting Examinations

Great Britain and Ireland, etc.—Exemption may be obtained :

A. By persons accepted for admission as Service Students or Imperial Forest Service Students or Special Students or Senior Students, or as candidates for the degree of B.C.L. under certain conditions, or as Advanced Students, or as candidates for the Degree of B.Litt. or of B.Sc., or who hold a degree at another Univ., such degree and such Univ. having been approved by the Hebdomadal Council, or as Students of Mature Years recommended by the Delegates for Extra-mural Studies under certain conditions. Exemption may also be claimed by anyone who has pursued a course of study extending over 2 yrs. at a Univ. approved for Senior Status, provided that the applicant has passed all examns. incidental to his course at that Univ. and has submitted a certif. of satisfactory progress signed by a competent authority of that Univ. ; and provided further that the required course of study at an Asiatic Univ. has included the study of English and has been pursued subsequently to the Intermed. Examn. or to the corresponding stage at a Univ. which does not hold an Intermed. Examn.

B. Subject, *inter alia*, to passing in 2 of the languages, Latin, Greek, French, German, Italian, Spanish, of which either Latin or Greek shall be one, persons who have passed a School or Higher School Certificate Examn. (7, 8, 9, 10, 11, 12, 13, or 14) or gained a class in the Final Senior Freshman Examn. of Dublin or a Certificate of Fitness granted by the Scottish Universities Entrance Board, or passed any of the examns. numbered 2, 3, 4, 5, 6, 15, 17, or the Intermediate Arts or higher examn. of Birmingham, Durham, Leeds, Liverpool, London, Manchester, Sheffield, or Bristol.

Dominions and Colonies—Exemption may be granted to any person who has obtained (1) a certificate of having passed either (a) the Matriculation Examn. of the Joint Board of the South African Universities, or b) the Secondary School Certificate Examn. of the Education Dept. of the Transvaal or Secondary School Senior Certif. Examn. of the Dept. of Education of the Cape Province, provided that it shows that he has passed in two of the languages, Latin, Greek, French, German, Italian, Spanish, of which Latin or Greek must be one ; or

(2) A certificate or certificates of having passed one of the following, provided he has satisfied the examiners in two of the said languages, of which Latin or Greek must be one :

An examn. or examns. conducted by a Univ. or other public Educational Authority in the Dominions of Canada or New Zealand or in the Commonwealth of Australia which satisfy the requirements for entrance to a Univ. in the said Dominions or Commonwealth, such Univ. having been approved by the Hebdomadal Council for the purposes of Senior Status ;

The School Leaving Certif. Examn. of the Orange Free State if the holder is thereby qualified for exemption from the Matricn. Examn. of the Joint Board of the South African Univs. ;

Univ. of Malta Matriculation ;

Univ. of Hong-Kong Matriculation Examn.

India—See A above.

Palestine—Exemption will be granted to any Palestinian student provided that he holds the Matricn. Certif. of the Palestine Board of Higher Studies, showing that he passed with credit in English (Syllabus A), either Arabic or Hebrew (Syllabus A), and in one of the languages, Latin, Greek, French, German (Syllabus B)

Foreign Students—Exemption may be granted to any person who has obtained a certificate or certificates qualifying him for admission to a univ. in Austria, Belgium, Czecho-Slovakia, Denmark, Finland, France, Germany, Holland, Hungary, Italy, Norway, Poland, Sweden, Switzerland, or Yugoslavia, or a Certificate of Part I. of the Baccalauréat de l'Enseignement Secondaire in France, provided it shows that he has satisfied the examiners in either Latin or Greek.

Natives of Asia and parts of Africa, not being of European or American parentage, can apply for permission to offer a substitute for Latin or Greek in Responsions.

A Candidate who has been engaged on approved war service for not less than six mos., and who was born on or before Dec 31, 1928, can claim exemption from Responsions if he has obtained, under the conditions specified in the statute: (a) a School Certif. showing that he has passed with credit in 3 of the 4 subjects therein specified, or (b) a Certif., Higher Certif., Higher School Certif., or Matricn. Certif. showing that he has passed in one of the languages therein specified, or obtained a Certif. not included in (a) and (b) above which would, with the addition of one subject or language, qualify him for exemption from Responsions.

Admission to Privileged Standing: "Senior Status."

The following may be admitted to the status and privileges of a Senior Student:

(1) Any person who has obtained a Degree at another Univ., such Degree and such Univ. having been approved by the Hebdomadal Council,* provided that he shall have pursued a course of study extending over 3 yrs. at the least at a Univ. or Univs. so approved, or, should the Hebdomadal Council in his case approve, partly at a Univ. so approved and partly at another or other Univs.

(2) Any person who, having been a student at a Univ. in a European country, where there is no Degree in any way equivalent to that of Bachelor of Arts but where there are State or Univ. examns. at approximately the same stage as the examns. for the Degree of Bachelor of Arts, has passed such State or Univ. examn., such examn. and such Univ. having been approved by the Hebdomadal Council, provided that he shall have pursued a course of study extending over 3 yrs. at the least at a Univ. or Univs. so approved.

(3) Any person who has obtained a Degree at another Univ. and has also been selected to come to Oxford by some Body approved, for the purposes of this Section by the Hebdomadal Council.

(4) Any person who, though not eligible under sub-clause (1) or (2)

* The Hebdomadal Council will not approve any Degree of an Indian Univ. under this clause unless the course of study leading to it has extended to 3 yrs. subsequently to the Intermed. Examn. In most cases a First Class is required either in B.A. Honours or B.Sc. Honours or M.A. or M.Sc.

or (3), has satisfied the Hebdomadal Council that he is particularly well qualified to be admitted as a Senior Student.

(5) Any medical student of a Univ. in the British Dominions or Colonies or in Gt. Britain and Northern Ireland may be admitted to the status and privileges of a Senior Student ; provided that the Univ. shall have been approved by the Hebdomadal Council and that he shall have pursued at that Univ., or, should the Hebdomadal Council in his case so approve, at more than one Univ., for at least 3 yrs. a course of study leading to a degree in Medicine and shall have passed all examns. incidental to that portion of the course.

A Senior Student : (a) may reckon his 1st term as his 4th ; (b) is not required to pass Responsions or any part of the 1st Public Examn. ; (c) is entitled to supplicate for the Degree of B.A. after having kept statutable residence for 6 terms, and having (i.) obtained a place in the Class List of an Honour School of the 2nd Public Examn., or been allowed "aegrotat," or, if disqualified by standing from obtaining Honours, shown such merit as would otherwise have entitled him to a place in the Class List ; or (ii.) satisfied the Examiners in the 2nd Public Examn. in the Final Honour School of Nat. Sci. in Chem., Pt. I.

No Senior Student will be entitled to supplicate for the Degree of B.A. except as above.

Incorporation. Admission of members of the Univs. of Cambridge and Dublin to incorporation. See p. 300.

READING

The University holds no Matriculation Examination.

Exempting Examinations

Matriculation, minimum age 17, is open to :

(a) Graduates of Univs. in the United Kingdom or other approved Univs.
(b) Persons who have passed or obtained exemption from Nos. 3 or 6, or have satisfied the conditions for such exemption.

(c) Ordinarily persons who hold 7 (b), 8 (b), 9 (b), 10 (b), 11 (b), 12 (b), 13, 14 (b) and who have at one and the same examn. obtained passes with credit in five subjects including (i) English, (ii) *either* Maths. *or* Latin *or* Greek, (iii) three other subjects. Persons offering Maths. under (ii) must include an ancient or modern foreign language under (iii). (Until further notice passes with credit in four subjects obtained at one examn. and one pass with credit at another examn. may be accepted.)

(d) Persons who, being at least 23 years of age, have passed a special examn. held by the Univ. "for approved candidates of mature years." In exceptional circumstances the Senate may accept other evidence of previous education and attainments.

WALES

The Matriculation Examn., the passing of which is a condition of matriculation for students of the constituent Colleges who have not passed an equivalent examn., is held at each of these Colleges and at certain approved Adult Schools about the end of Jan. and the end of June each year. The subjects are (a) English, (b) Welsh Lang. and Lit.,

(c) Latin, (d) Greek, (e) New Testament Greek, (f) Welsh, (g) French, German or other approved language, (h) History, (i) Scripture, (j) Music, (k) Art, (l) Geography, (m) Economics, (n) Maths., (o) Mechanics, (p) Physics, (q) Chemistry, (r) Botany, (s) Biology, (t) Geology, (u) Practical Plane and Solid Geometry, (v) General Science, (w) Agricultural Science. A candidate must pass at one and the same examn. in 5 subjects, including (a) or (b), one of (c), (d), (e), (n); and at least in one language in addition to English or Welsh Lang. and Lit., and either (n) or (l), or one of (o) to (w). No candidate may offer more than one of (i), (j), (k) or both (b) and (f), or both (d) and (e), or both (e) and (i), or both (r) and (s), or both (l) and (t), or both (v) and (w). A candidate who wishes to offer Economics must offer (n), or one of the subjects (o) to (w). A candidate who wishes to offer either General Science or Agricultural Science may not offer one of the subjects (o) to (u).

Exempting Examinations

Great Britain and Ireland—Nos. 3, 6, 7 (b), 8 (b), 10 (b), 11 (b), 12 (b), 13, 14 (b), 15 (Higher Grade), 16, 17, 19, 20, 21, 22.

Note. The certificates of candidates desiring exemption must in general comply with the conditions of exemption in force at the time of the award of the certificate.

Dominions and Foreign—Candidates who have qualified by examn. for a degree of an approved Univ. or College, or have passed the Matricn. examn. of the South African Univs. or of the Swiss Univs., or of the Palestine Board of Higher Studies (Syllabus A), or of the Univ. of Hong-Kong, or of the Royal Norwegian Ministry of Church and Education, or the secondary school certif. examn. of the Transvaal or Cape Province Education Dept., or the Egyptian Secondary Education Certificate Examn. Part II., in the subjects required by the Univ. matricn. regulations, or, if certified by a constituent Coll. as possessing sufficient knowledge of English to profit by a degree scheme of study, the Intermediate Examn. in Arts or Sci. of an approved Indian Univ., or, if certified by the Iraqi Ministry of Education as fitted for a course of study, the Iraqi Baccalauréat examn., may matriculate without further examn.

Special Exemptions

Candidates of 23 or more years of age after a written and *viva voce* examn. conducted by a constituent College may be exempted on the recommendation of the constituent College.

Candidates of not less than 20 years of age who have been full-time pupils of an approved adult school during not less than 2 yrs. may pass the matricn. examn. in 4 subjects provided they satisfy the authorities of the adult school in a fifth subject.

Candidates for Diplomas of the constituent Colleges who are not less than 20 yrs. of age and who have been for at least 1 yr. full-time students at a constituent Coll. may pass the matricn. examn. in 4 subjects provided that they satisfy the Coll. in a fifth subject.

Special Regulations for entrance to the Faculty of Medicine

No candidate for the degrees of M.B., B.Ch. will be accepted unless he has passed, prior to admission, the matriculation examn. or an examn.

recognized by the Univ. of Wales as equivalent thereto and has passed the matriculation or equivalent examn. in two of the following subjects, of which one shall be either *Physics or Chemistry*, viz.—Physics, Chem., Bot., Zool. and Biol. This regulation will not apply to persons holding a degree of a British Univ.

No candidate is accepted for admission to the Depts. of the *Second Year* of the medical course until he has pursued and completed by examn. at one and the same time, the four first-year courses. This regulation may, however, be relaxed at the discretion of the Joint Academic Committee of University College, Cardiff, in certain cases where only *one* of the four first-year courses named above is outstanding.

SCOTTISH UNIVERSITIES

*Qualifications for admission to degree courses in Scottish Universities **

[Note.—These qualifications will be revised upwards from 1 Feb. 1949.]

I. Scottish Education Dept.'s Senior Leaving Certificate showing passes (including at least two on the Higher Standard) in at least 4 of the following subjects: (i) English (including History, Higher or Lower, or Geography, Higher or Lower); (ii) Maths., Dynamics, Physical Sci.; (iii) Latin, Greek, French, German, Italian, Spanish, Gaelic; (iv) Nat. Sci., Applied Sci., Art, Music, provided (a) the passes must include English (with History or Geography) and one from each of the groups (ii) and (iii); (b) unless they include three on the higher standard the Certificate must show either (1) passes in Latin (or Greek) and in Maths., or (2) a pass on the Higher Standard in Latin (or Greek) or in Maths., and all the four passes must be in subjects taken from groups (i), (ii), and (iii); but the Board will accept a pass in Higher Nat. Sci. as one of the four passes.

II. Preliminary Examination under the Entrance Board in 4 subjects selected from the following, including at least one from each of the first 3 groups: (i) English (including History and Geography); (ii) Maths., Physical Sci., Dynamics; (iii) as under Clause I., or other approved language; (iv) Nat. Sci. (any 2 of Chem., Bot., Zool.). At least two of the subjects selected must be passed on the Higher Standard; and if a candidate has passed on the Higher Standard in two subjects only he must have passed in Latin (or Greek) and Maths. on the Lower Standard *or* (a) in Latin (or Greek) on the Higher Standard *or* (b) Maths. on the Higher Standard. Examns. held March and August.

III. The holder of a degree obtained otherwise than *honoris causa tantum* in any British or foreign Univ. is exempt from the Prelim. Examination.

* Emergency Regulations were issued by the Scottish Universities Entrance Board in November 1939 with the approval of the University Courts of the four Scottish Universities. These Regulations, subject to any amendments which may be found necessary, provide for the granting of concessions to applicants who served in H.M. Forces or were otherwise engaged on National Service during the war.

Exempting Examinations

Great Britain and Northern Ireland—School Certificate Examns. conducted under the auspices of the Univs. of Oxford and Cambridge and other English Univs., the Matriculation Examn. of London Univ., the Matriculation Examn. of the Univ. of Wales and Northern Ireland Secondary School Examn. Senior Certificate are accepted as exempting from the Prelim. Examn. under certain conditions, particulars of which may be obtained from the Secretary, Scottish Universities Entrance Board, Westerlea, Kennedy Gardens, St. Andrews.

Dominions and Colonies—Candidates from the British Dominions or Colonies may be exempted from the Preliminary Examn. if they can produce a certif. from the Registrar of a Univ. in their own country, showing that they have qualified for admission to his Univ. by passing on standards acceptable to the Board examns. in English, a language other than English, and in Maths. or Science, and have satisfied the full entrance requirements of his Univ. for entrance on a course leading to a degree in Arts or Pure Science.

India—Students from India are admitted subject to the condition that they have obtained a first class in the Intermediate Examn. in Arts or Science in a recognized Indian Univ., and have at some stage of their course passed in English and Maths. or Science.

Burma—Students from Burma must have passed the Intermediate Examn. of the Univ. of Rangoon and have passed at some stage of their course in English, Maths. or Science, and a language other than English.

Palestine—The Matriculation Certificate of the Dept. of Education of the Government of Palestine will be accepted provided the candidate has *inter alia* passed with credit in English according to Syllabus A, and has obtained a pass with distinction in one subject at least and passes with credit in three other subjects, one of which may be English.

The Intermediate Examn. for the Arts and Sci. Diploma of the Palestine Board of Higher Studies will be accepted provided passes have been obtained in English, a language other than English, and Maths. or Science.

Foreign—Certifs. entitling the holder to enter upon a regular course of study leading to a degree in Arts, or Pure Sci., in any of the Univs. or Colls. approved by the Assocn. of American Univs. (see Appendix III.) are recognized for exemption from the Prelim. examn.

In general, a Certificate such as would be sufficient to admit the holder to a course leading to a degree in Arts, Pure Science or Law in a University in his own country will be accepted as exempting from the Prelim. Examn. provided the Certificate shows that the applicant has obtained passes of an approved standard in English, a language other than English, and Maths. or Science. Candidates whose native language is other than English may, however, be required to pass a Special Examn. in English at the Prelim. Examn.

N.B.—In each Univ. the Senatus may for any particular class, attendance on which for a specified period is necessary in order to qualify for graduation, determine the conditions of admission to such qualifying attendance.

Full information as to the regulations for examinations and for exemptions can be obtained from the Secretary, Scottish Universities Entrance Board, Westerlea, Kennedy Gardens, St. Andrews.

Exemption from Courses in Medicine and Surgery

Subject to certain conditions 3 yrs. or 9 terms of medical study may be spent in attendance on courses of instruction in the subjects of the curriculum at any Univ. of the U.K., or at such Dominion, Indian, Colonial or foreign Univ., or at such medical schools, or under such teachers as may be recognized for the purpose.

Special Regulations for Entrance to Classes

Aberdeen. In the case of Greek, Hebrew, Arabic, Syriac, and Mathematics, a student shall be admitted to attendance on the classes qualifying for graduation if he has the subject of the class as one of the subjects either of his Group Leaving Certificate or of the University Preliminary Examination. Where a student desires to attend a course qualifying for graduation and does not satisfy the above condition, he shall inform the Secretary to the University of Aberdeen not later than one week before the commencement of the class, and a written examination or other test will be provided to determine his fitness to attend the class.

Edinburgh. Certain preliminary passes are required for entrance to certain classes. If a student intends to take a curriculum containing a class which requires a special qualification, it is desirable that he should have included this qualification in his Leaving Certif. (or its equivalent), but failing this he may take the subject in the Univ. Preliminary Examn.

Preliminary Qualifications Necessary for Attendance at Certain Classes

Arts and Commerce. Ordinary classes in Latin, Greek, French, German, Italian, Spanish, Celtic.—A pass in the lang. on the higher standard in the Leaving Certif., or some equivalent evidence of proficiency.

Second Ordinary, Intermediate Honours, and Honours Classes in English, and Interim. and Hons. Classes in French, Italian, Spanish.—A pass in Latin on at least the lower standard in the Leaving Certif. (on the higher for Hons. English), or some equivalent evidence of proficiency.

Sanskrit—A knowledge of the Devanagari characters and the mode of transcription described in Perry's *Sanskrit Primer*.

Hebrew—A knowledge of Hebrew grammar (as in Davidson's *Introductory Hebrew Grammar*), and ability to read simple prose, such as the Book of Ruth or the narratives of Genesis.

Arabic—A knowledge of Arabic grammar, and ability to read a simple Arabic text.

Music—A pass in Music in the Leaving Certif., or some equivalent evidence of proficiency. A pass in a qualifying examn. held in March and September consisting of one written paper and an oral and practical test.

Maths., 1st Ordinary, and Natural Philos., 1st Ordinary—for students not proposing to go beyond first ordinary classes a pass in Lower Maths. in the Leaving Certificate, or some equivalent evidence of proficiency.

Maths., Second Course; Hons. Maths. and Natural Philos.; Technical Maths.; Mathematical Physics and Natural Philos.—for students proceeding beyond the first ordinary classes a pass in higher Maths. in the Scottish Leaving Certificate, or some equivalent evidence of proficiency.

Meteorology.—An elementary knowledge of mechanics, general physics and heat.

Astronomy.—A knowledge of Maths. as represented by the first ordinary course in Maths., and of Dynamics as represented by the Preliminary Examn.

Chemistry.—A pass in an Admission Examn., unless the student has a pass in Physical Sci. (incl. Chem.) in the Leaving Certif., or other evidence of proficiency accepted as equivalent.

The Ordinary Classes in Ancient (Gk. and Roman) Hist., Ecclesiastical Hist. and Roman Law, and Hons. Classes in British Hist., Constitutional Law and Const Hist., and Scottish Hist.—A pass in Latin on at least the lower standard of the Leaving Certif., or some equivalent evidence of proficiency.

Accounting and Business Method.—A pass in an Admission Examn. in Book-keeping (L. C. Cropper, *Book-keeping and Accounts*, pp. 1-132), or evidence of a sufficient practical training in an office or otherwise.

Science. Maths., Technical Maths., Physics (Nat. Philos.), Chem., Astronomy.—As for Arts. In Biological curricula Maths. on the lower standard may be accepted.

Engineering.—A pass in Higher Maths. and in Physical Science (Physics and Chem.) in the Leaving Certif. (or its equivalent).

As Maths. or Physics is a class included in most curricula for the Ordinary degree in the Dept. of Pure Sci. it is desirable that Higher Maths. should be included in the Leaving Certif. (or its equivalent).

Similarly, Tech. Maths. or Physics is included in the curriculum for a degree in the Depts. of Engin., Mining, Tech. Chem., Agric. and Forestry.

Law. Civil Law.—A pass in Lower Latin in the Leaving Certif. or some evidence of a sufficient knowledge of the language.

Medicine. A student before commencing the study of Med. must have passed an examn. in General Knowledge recognized by the Entrance Board.* Prospective students are advised to include elementary Physics and Chem. in their School or Pre-University studies †

Recognition of Institutions Outside the United Kingdom

Arts. Undergraduates who have attended courses in another Univ. may apply for exemption from one (not the Final) yr. of the course for M.A. or for B.Com., and from attendance on classes in two subjects. Graduates of another Univ. may apply for exemption from examination as well as attendance. Each application will be considered on its merits.

Science. Certain courses (first year only) may be taken in other

* Any student holding a certif. admitting him to an English, Irish or Welsh Univ. will be exempted by the Entrance Bd. from Examn. (1).

† Applications for exemption should be addressed to the Dean of the Faculty of Medicine.

Univs. or institutions approved by the University Court. The Higher School Certif. is not regarded as qualifying for exemption.

Law. The Arts degree of certain approved Colonial, Indian and American Univs. is recognized for admission to the LL.B. course. Two of the three yrs.' study for LL.B. may be taken at one of the following recognized institutions: the Univs. of Oxford, Cambridge and Dublin; the Inns of Court; the Madras Law School; the Maharaja's Law College, Trivandrum; Ripon College, Calcutta; Univ. of Rangoon; McGill Univ.; University College and King's College, London; the Colls. and Univs. approved by the Association of American Universities. The exemption granted is only in respect of attendance at classes, not of examination.

Medicine. Recognition may be given to courses taken in the first two yrs. of the curriculum at any Univ. of the United Kingdom or at such Indian, Colonial or foreign Univ. or Coll., or under such teachers as may be recognized by the University Court.

Glasgow. Faculty of Arts.

- (a) Ordinary Classes of Humanity, Greek, French, German, Italian, Spanish, Russian, Celtic, Arabic; Senior Class of Hebrew.
- (b) Ordinary Classes of Mathematics, Natural Philosophy and Astronomy.

Attendance on any of these classes shall not, except as hereinafter provided, qualify for graduation unless before admission to the class the student has produced evidence that he has passed in the subject of the class (for (b) in Maths.) on the Higher Standard (where different grades exist) in the Leaving Certificate or the Preliminary Examination or on the corresponding standard in another examination recognized as equivalent; but a student not so qualified, if for special reasons he has been admitted to any of these classes by the Head of the Department concerned and has passed in the subject of the class (for (b) in Maths.) on the Higher Standard in the Spring Preliminary Examination of the same academic year, may make application to the Senatus for the recognition of such pass, and, if such recognition is granted, his attendance and class record will be allowed to qualify for graduation.

- (c) Intermediate Classes of Humanity, Greek, French, German, Italian, Spanish, Arabic; Higher Classes of English, Russian, Celtic, Hebrew, Logic, Moral Philosophy, Political Economy, History, Scottish History, Constitutional History, Mathematics, Natural Philosophy, Geography, Music; Classes of Roman History, Greek History, English Language, Political Philosophy and Social Economics.

Attendance on any of these classes shall not qualify for graduation on the Higher Standard unless before admission to the class the student has obtained a pass on the Ordinary Standard in the subject in which he is taking a Double Course.

- (d) Higher Classes of English, French, German, Italian, Spanish, Hebrew, History, Constitutional History; Honours Classes of English, French, German, Italian, Spanish, Celtic, History, Scottish History and Literature.

Attendance on any of these classes shall not normally qualify for graduation unless before admission to the class the student has produced evidence that he has passed in Latin or Greek on the Higher or the Lower Standard in the Leaving Certificate or the Preliminary Examination or in another examination recognized as equivalent; but the Faculty of Arts shall have the power to accept in lieu of such a pass such other evidence of proficiency in the subject concerned as it may deem equivalent.

(e) Honours Class of Hebrew.

Attendance on this class shall not normally qualify for graduation in Arts unless before admission to the class the student has produced evidence that he has passed in Greek on the Higher or on the Lower Standard in the Leaving Certificate or the Preliminary Examination or in another examination recognized as equivalent, or that he has diligently attended a non-qualifying class in Greek; but the Head of the Department shall have power to accept such other evidence of proficiency in Greek as he may deem equivalent. Each case in which this power has been exercised shall be reported to the Faculty of Arts and the admission of a student under this provision shall be subject to confirmation by that Faculty.

(f) Ordinary Class of Music.

Attendance on this class shall not normally qualify for graduation unless before admission to the class the student has either (a) produced evidence that he has passed in Music on the Higher Standard in the Leaving Certificate Examination, or (b) attended the Elementary Class and satisfactorily performed the class work; but the Head of the Department shall have power to accept such other evidence of proficiency in Music as he may deem equivalent. Each case in which this power has been exercised shall be reported to the Faculty of Arts, and the admission of a student under this provision shall be subject to confirmation by that Faculty.

Faculty of Science.

(1) Ordinary Classes of Mathematics, Natural Philosophy and Astronomy.

Attendance on any of these classes shall not, except as hereinafter provided, qualify for graduation unless before admission to the class the student has produced evidence that he has passed in Mathematics on the Higher Standard in the Leaving Certificate or the Preliminary Examination or on the corresponding standard in another examination recognized as equivalent; but a student not so qualified, if for special reasons he has been admitted to any of these classes by the Head of the Department concerned and has passed in Mathematics on the Higher Standard in the Spring Preliminary Examination of the same academic year, may make application to the Senatus for the recognition of such pass, and, if such recognition is granted, his attendance and class record will be allowed to qualify for graduation.

(2) Classes in Double-course Subjects.

Attendance on any of these classes shall not qualify for graduation on the Higher (Double-course) Standard unless before admission to the

class the student has passed on the Ordinary (Single-course) Standard in the same subject.

(3) Before presenting themselves for examination in a Double-course subject candidates must have attended at least two qualifying courses in that subject. One of these courses must be a higher course and all courses in any subject except Mathematics must include practical or laboratory work.

(4) A qualifying course in any subject shall normally extend over three terms, but the Senatus, with the approval of the University Court, may sanction partial courses of not less than one term's duration, and two or three such partial courses shall be held to be equivalent to a full normal course in such cases as the Senatus, with the approval of the University Court, may determine and under such rules as may from time to time be made for that purpose.

Faculty of Engineering.

(1) Mathematics (1st Course) and Mathematics (2nd Course).

These classes may not be taken in the same academic year except by express permission of the Faculty of Engineering.

(2) Mathematics (1st Course) and Applied Physics (Ordinary).

Attendance on these classes shall not normally qualify for graduation in Engineering unless before admission to the class the student has produced evidence that in the Leaving Certificate or the Preliminary Examination, or in another examination recognized as equivalent, he has passed in Mathematics on the Higher Standard, or that he has diligently attended a non-qualifying course in Mathematics; but the Head of each of the Departments concerned shall have power to accept such other evidence of proficiency in Mathematics as he may deem equivalent.

St. Andrews. In the Faculty of Arts, students who propose to attend a graduating course in Latin or Greek, or Hebrew, or French, or German, or Italian, must produce evidence of having passed the Leaving Certificate Examn. in the language on the Higher Standard or some equivalent qualification, or must (in the case of Latin, Greek and Hebrew) have attended a Junior Class in the Univ. and duly performed the work of that class for one session. Students who wish to attend a graduating course in Maths, Applied Maths., or Nat. Philos. must show that they have passed the Leaving Certif. in Maths. on the Higher Standard or obtained some equivalent qualification. For a graduating course in Chem, candidates who have not passed in Higher Chem. may be required by the Professor to pass an examn. before beginning the course.

In the Faculty of Science, the above rules apply to the classes of Maths., Applied Maths., Nat. Phil. and Chemistry.

BELFAST

The Matriculation Examn. comprises English, Mathematics, and 3 of the following: (a) Greek, (b) Latin, (c) French, (d) German, (e) Italian, (f) Spanish, (g) Modern History, (h) Physics or Mechanics,

(*j*) Geog., (*k*) Chem., (*l*) Bot., (*m*) for Faculties of Arts, Economics, Applied Science, and Technology—Celtic, (*n*) for Science, Medicine, or Applied Science or Technology—Mechanical Drawing; for Economics—(*o*) Elementary Economics, and (*p*) Accounting; for Faculty of Arts—(*q*) Music. For Arts, Science, or Medicine one language other than English must be taken, for Economics—French or German or Spanish; for Applied Science or Technology—one of the languages (*a*)-(*f*)—Higher standard required in Maths. than in other Faculties; for Faculty of Law—Higher standard required in English, History and Latin. Candidates for Faculty of Arts may, under certain conditions, take Latin or Greek instead of Maths. In School of Civil Engin. of the Faculty of Science a higher standard is required in Maths. than in other Faculties.

A candidate who has passed in at least 3 subjects, but failed to pass the examn. as a whole, is allowed to complete his matricn. at the next subsequent examn.

Exempting Examinations

Candidates who have passed any of the following examns. are admitted as matriculated students, provided that if they have not passed in all the subjects required by the Univ. for matriculation in the respective faculties they shall be required to pass in the additional subjects at one and the same Matricn. Examn.

Great Britain and Ireland—A. 1, 2, 3, 4, 5, 6, 8 (*a*),* 8 (*b*),* 9 (*a*),* 9 (*b*),* 10 (*a*),* 10 (*b*)* (provided in the case of 8 (*b*), 9 (*b*) and 10 (*b*) that at the same or any separate examns. the candidate has passed in 5 subjects recognized by the Univ. for matriculation and obtained credit in at least four), 11 (*b*), 12 (*b*), 13, 15 (subject to certain conditions), 16, 17, 19, 20.

B. Graduation examn. of a British Univ.

Dominions—The Matricn. Examn. of the Joint Matriculation Board of the Univs. of South Africa; the Matricn. Examn. of the Univ. of New Zealand; the Matricn. Examn. of the Univ. of Hong Kong

The Secondary School Certificate of the Transvaal Education Dept provided that the student has passed in the subjects required by the faculty he desires to enter and that he has passed with credit in at least 3 of these subjects.

India—The Intermediate Examn. of the following Indian Univs.: Aligarh, Allahabad, Benares, Bombay, Calcutta, Delhi, Lucknow, Madras, Mysore, Nagpur, Patna. The examns. of the High School and Intermediate Board, Allahabad.

Pakistan—The Intermediate Exam. of the Univs. of Dacca and the Panjab. The examns. of the High School and Intermediate Board, Dacca.

Palestine—The Matricn. Examn. of the Palestine Board of Higher Studies, provided the student has passed with distinction in English.

* Candidates who have partially fulfilled the conditions of these examns. and who wish to offer a combination of the results of these examns. as a qualification for matricn. or to combine 8 (*b*), 9 (*b*), or 10 (*b*) with the Matricn. Examn. should forward their application to the Secretary for consideration.

Candidates who have passed in Physics and Chem. as one subject in 8 (*b*) will be allowed to count this as two out of five, provided they have passed in an additional subject.

Special Exemptions

Students of mature age (not less than 23) may be admitted without passing the ordinary Matricn. Examn. Applications are dealt with by a special committee of the Academic Council, who may submit candidates to such tests of their fitness to profit by the courses of the Univ. as they may consider necessary in each case. Applications must be submitted on or before July 1 in each year.

Special Regulations for Entrance to Faculties

Arts. Candidates for the Faculty of Arts who intend to enter an Honours School must pass in Greek or Latin at Matricn.

Medicine. Candidates must have passed an examn. in Latin of at least Junior Certificate (Northern Ireland) Standard, and a pre-registration examination in Physics and Chem.

Science and Agriculture. Candidates must have passed an examn. in French or German, and a pre-entry examn. in Physics and Chem.

In addition candidates for entry into the Faculty of Agriculture must satisfy the Faculty that they possess a sound knowledge of the practice of agriculture, and have been engaged for at least one year in farm practice.

DUBLIN

Arts. The Matricn. Examn., held six times a year, comprises English Composition, Maths., Latin, a second language, and a subject chosen from Physics, Chem., Biol., Hist. and Geog.

Science. The Matricn. Examn. comprises English Composition, Maths., French or German, and one other language.

Exempting Examinations

Great Britain and Ireland Candidates who have passed the Examn. for Leaving Certificates held by the Dept. of Education in the Irish Free State, or the Examn. for Senior Certificates held by the Ministry of Education in Northern Ireland, or any other examn. including 6 (a), 6 (b), 7 (a), 7 (b), 8 (a), 8 (b), 9 (a), 9 (b), 10 (a), 10 (b), regarded by the Senior Lecturer as equivalent thereto, are qualified for Entrance to Trinity Coll. on passing, if required to do so by the Senior Lecturer, a further examn. in those subjects, if any, of the Trinity Coll. Entrance Examn. which are not included in those which they have already passed.

Africa. Certifs. in Dutch or Afrikaans may be presented by South African students, and in various African languages by other African students in part fulfilment of entrance requirements.

Admission to Advanced Standing

Special regulations provide for the grant of credit for previous academic attainments at the Univs. of Oxford and Cambridge, while students or graduates of the following Univs., Aberdeen, Belfast, Birmingham, Bristol, Durham, Edinburgh, Glasgow, Leeds, Liverpool, London, Manchester, St. Andrews, Sheffield, Wales, and the National Univ. of Ireland, may be allowed credit *pro tanto* for the first two years

in the examn. held at their expiration ; but every such student must keep at least 2 yrs. at Trinity Coll. : and further, no medical degree can be taken without at least 3 yrs ' attendance.

Dominions and U.S.A. Certain privileges in Arts are granted to approved students of the following Univs. and Colls. : Adel., Agra, All., Annamalai, Bom., Cal., Dacca, Dalhousie, King's Coll. (Halifax, N.S.), Laval, Lucknow, McGill, Madras, Melbourne, Nagpur, New Brun., N. Zeal., Panj., Patna, Queen's (Kingston, Ont.), Queensland, Rangoon, Saskatchewan, Syd., Tas., Tor., Western Ontario, the Univs. in South Africa, and Univs. and Colls. in the U.S.A. approved by the Assn. of American Univs.

NATIONAL UNIVERSITY OF IRELAND

The Matricn. Examn., held twice a year, comprises six groups of subjects : (a) Irish, (b) Latin or Greek, (c) any modern lang. approved by the Senate, (d) English, (e) Maths., (f) one or two of the following :— Latin, Greek, any modern language approved by the Senate, Hist., Geog., Applied Maths. or Physics, Chem., Agric., Commerce, Music, Bot., General Science. Candidates must pass in 5 subjects, but may present 6, if they so desire.

Those born in Ireland, whose home residence has not been outside Ireland during the 3 preceding years, must pass in Group (a). Others may present in lieu of Irish either a second language or a second Science subject ; they will be expected to attend a course in Irish Lit. and Hist. before obtaining a degree in the Univ.

Exempting Examinations

Candidates who have passed in not less than 4 of the subjects prescribed for Matricn. at any of the following examns. may, provided such examn. has been passed as a whole, complete their matricn. by passing the fifth supplementary subject at the Matricn. Examn. of the Univ.

A. Ireland—Passes in the Senior Grade of Intermediate Board or the Leaving Certificate Examn. in any of the subjects recognized for matricn. are accepted as equivalent to passes in these subjects at the Matricn. Examn., even though the former examn. was not passed as a whole. Passes on Lower Course, however, are not accepted.

Great Britain—Provided that the subjects required have been passed, the Univ. accepts certificate of Registration as a Matriculated Student from any Univ. in Britain if the student lodges a statement from the President of a Constituent Coll. that he has been or will be accepted as a student in such College

B. Graduation in Arts or Science in any Univ. of the Dominions and Colonies (except India).

APPENDIX II

STUDENTS FROM OTHER COUNTRIES IN THE
UNIVERSITIES AND UNIVERSITY COLLEGES OF
GREAT BRITAIN AND IRELAND

The total number of students from other countries enrolled for courses in the Univs. and Univ. Colls. of Great Britain and Ireland at the beginning of the academic year 1947-48 was 7681, an increase of over 900 compared with the 1946-47 figure. Of these, 3868 came from the Empire overseas (Channel Islands 7, Gibraltar 17, Malta 30, Ceylon 141, Cyprus 67, India 900, Pakistan 92, Malaya 72, Mauritius 30, Hong Kong 26, Singapore 18, British W. Africa 470, Sudan 32, N. Africa 12, British E. Africa 125, N. and S. Rhodesia 42, South Africa 513, British Guiana 56, British Honduras 7, Bermuda 9, British W. Indies 329, Canada 314, Australia 313, New Zealand 243). The students were distributed in the Univs. and Colls. as follows:

Birmingham 217, Bristol 108, Cambridge 630, Durham 238, Leeds 217, Liverpool 128, London Colls. 3531 (Univ. Coll. 567, King's 136, Inst. of Education 253, Imperial 271, Queen Mary 60, Birkbeck 75, Sch. of Economics 559, Sch. of Oriental and African Studies 126, Sch. of Slavonic Studies 20, Courtauld Institute 27, Inst. of Historical Research 8, Royal Holloway 9, Bedford 48, Westfield 8, King's Coll. of Household and Social Science 9, Med. Schools 756, Polytechnics 289, Schools of Music 167), Manchester 374, Oxford 663, Reading 23, Sheffield 72, Wales 92, Aberdeen 41, Edinburgh 490, Glasgow 201, St. Andrews 110, Queen's (Belfast) 62, Dublin 126, Nat. Univ. of Ireland 119. *Independent Colls.*—Exeter 90, Hull 18, Leicester 24, Nottingham 54, Southampton 41.

An analysis of the figures for the various continents is given below. The number after the different countries is the total from that country and some indication of the distribution of the students is provided by the numbers enrolled at certain institutions

EUROPE—Total, 2256

Armenia—4. *Austria*—175: London Colls. 106, Manchester 10. *Azores*—9. *Belgium*—55: London Colls. 33. *Bulgaria*—1. *Channel Islands*—7. *Cyprus*—67: Edinburgh 10. *Czechoslovakia*—175: London Colls. 104, Manchester 14. *Danzig*—2. *Denmark*—48: London Colls. 22. *Finland*—8. *France*—131: Bristol 11, Cambridge 11, London Colls. 60, Manchester 11, Oxford 10. *Germany*—236: London Colls. 153, Manchester 21. *Gibraltar*—17. *Greece*—70: London Colls. 28. *Holland*—79: London Colls. 41. *Hungary*—40: London Colls. 27. *Iceland*—27: London Colls. 13. *Italy*—43: London Colls. 22. *Latvia*—2. *Lithuania*—5. *Luxembourg*—5. *Malta*—30: London Colls. 13. *Norway*—121: Durham 25, London Colls. 22, Manchester 13. *Poland*—712: Birmingham 14, Bristol 17, Cambridge 34, Durham 26, Leeds

STUDENTS FROM OTHER COUNTRIES 1003

33, London Colls. 289, Manchester 30, Oxford 20, Sheffield 12, Edinburgh 83, Glasgow 23, St. Andrews 29, Nat. Univ. of Ireland 55. *Portugal*—11. *Roumania*—20. *Russia*—13. *Spain*—14. *Stateless*—3. *Sweden*—21: London Colls. 10. *Switzerland*—85: London Colls. 47. *Yugoslavia*—20.

ASIA—Total, 2055

Arabia—2. *Burma*—42: London Colls. 19. *Ceylon*—141: Cambridge 15, London Colls. 90, Oxford 10. *China*—205: Birmingham 13, Cambridge 27, London Colls. 83, Manchester 13, Oxford 18, Edinburgh 17. *East Indies*—10. *Hyderabad*—6. *India*—900: Birmingham 17, Cambridge 74, Durham 23, Leeds 44, Liverpool 29, London Colls. 444 (Univ. Coll. 65, King's 18, Inst. of Educ. 38, Imperial 77, Sch. of Econ. 17, Sch. of Oriental and African Studies 22, Med. Schools 128), Manchester 86, Oxford 39, Sheffield 12, Wales 13, Edinburgh 56, Glasgow 26, Dublin 10. *Hong Kong*—26: London Colls. 16. *Indo-China*—1. *Iraq*—120: Birmingham 12, London Colls. 52. *Japan*—1. *Malaya*—72: Bristol 11, London Colls. 33. *Pakistan*—92: London Colls. 62. *Palestine and Transjordan*—251: Cambridge 11, Leeds 19, London Colls. 147. *Persia*—61: Birmingham 39, London Colls. 17. *Singapore*—18: London Colls. 12. *Syria and Lebanon*—24: London Colls. 12. *Thailand*—12. *Turkey*—71. Birmingham 13, London Colls. 26.

AFRICA—Total, 1582

Egypt—305: Birmingham 16, Cambridge 21, Leeds 12, Liverpool 11, London Colls. 134 (Univ. Coll. 25, Inst. of Educ. 29, Imperial 29, Sch. of Oriental and African Studies 12), Manchester 23, Oxford 15, Edinburgh 21, Glasgow 12. *Ethiopia*—5. *British West Africa*—470: Birmingham 12, Cambridge 29, Durham 51, London Colls. 162 (Univ. Coll. 24, King's 11, Inst. of Educ. 62, Sch. of Econ. 14, Sch. of Oriental and African Studies 11). Manchester 14, Oxford 15, Edinburgh 27, Glasgow 25, St. Andrews 15, Dublin 36, Nat. Univ. of Ireland 21, Exeter 10. *Mauritius*—73: London Colls. 43. *North Africa*—14. *Sudan*—32: London Colls. 13. *British East Africa*—125: Cambridge 14, London Colls. 53 (Univ. Coll. 10, Inst. of Educ. 14), Oxford 10, Edinburgh 12. *Rhodesia*—42: London Colls. 20. *South Africa*—516: Cambridge 80, Durham 12, Liverpool 13, London Colls. 235 (Univ. Coll. 20, Inst. of Educ. 13, Med. Schools 134, Polytechnics 14), Oxford 95, Edinburgh 24, Dublin 15.

AMERICA—Total, 1227

Bermuda—9. *Canada and Newfoundland*—314: Cambridge 16, London Colls. 162 (Univ. Coll. 20, Sch. of Econ. 32, Med. Schools 51), Oxford 64, Edinburgh 21. *Central America and Mexico*—20: London Colls. 13. *British Honduras*—7. *South America*—67: London Colls. 38. *British Guiana*—56: London Colls. 36. *Falkland Is.*—1. *U.S.A.*—418: Cambridge 36, London Colls. 112 (Sch. of Econ. 54), Manchester 13, Oxford 112, Edinburgh 60, Glasgow 18, Dublin 16, Nat. Univ. of Ireland 10. *West Indies*—335: Birmingham 15, Cambridge 15, Durham 19, Leeds 12, London Colls. 150 (Univ. Coll. 17, King's 15, Inst. of

Educ. 10, Sch. of Econ. 22), Manchester 11, Oxford 16, Aberdeen 12, Edinburgh 18.

AUSTRALASIA—Total, 561

Australia—313 : Cambridge 73, Leeds 11, London Colls. 121 (Univ. Coll. 17, Imperial 16, Sch. of Econ. 13, Med. Schools 41), Oxford 85. *New Zealand*—243 : Cambridge 49, London Colls. 134 (Univ. Coll. 15, Imperial 11, Sch. of Econ. 17, Med. Schools 35, Schools of Music 37), Oxford 24, Edinburgh 18. *Fiji*—5.

APPENDIX III

POSTGRADUATE SCHOLARSHIPS, ETC., AND GRANTS
FOR ADVANCED STUDY AND RESEARCH TENABLE
IN THE UNITED KINGDOM AND IRELAND

The scope of this Appendix is limited to awards tenable at Universities or institutions of equivalent status in the United Kingdom and Ireland. Information about certain special monetary prizes and about a few of the more important travelling Fellowships tenable overseas by British graduates is, however, included in a separate section at the end of the Appendix.

To facilitate prompt reference by prospective applicants, the principal classification on the score of eligibility into which each award falls has been indicated as follows :

- * open to graduates of United Kingdom Univs. ;
- † open to graduates of British Univs. overseas ;
- ‡ open to graduates of Univs. outside the British Commonwealth.

The field of eligibility is more precisely defined in the paragraph of information following each title. An award which is only open to the graduates of the Univ. announcing it, is not included in this Appendix, but reference to it may be found under the heading " Scholarships " in the section of the *Yearbook* relating to that Univ.

The list of awards in this Appendix is arranged in order of subject as follows :

1. General (the subject being optional or there being a large field of choice).
2. Agriculture, Veterinary Science, etc.
3. Applied Science and Technology.
4. Arts (General).
5. Arts (Special Subjects).

Anthropology.	Mathematics.
Architecture, Arts and Archæology.	Modern Languages.
Classics.	Music.
History.	Oriental and African Studies.
International Relations.	Philosophy and Psychology.
Law.	
6. Economics and Sociology.
7. Education.

8. Engineering.
9. Engineering (Special Branches).

Aeronautics. Agricultural Engineering. Chemical Engineering, v. 15. Civil Engineering. Electrical Engineering.	Mechanical Engineering. Mining and Mining Engineering. Naval Architecture and Marine Engineering.
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10. Fisheries.
11. Medicine and Surgery (General).
12. Medicine and Surgery (Special Subjects).

Anatomy. Bacteriology. Biochemistry, v. 15. Cancer. Diseases of Children. Neurology and Psychiatry. Obstetrics and Gynæcology Ophthalmology.	Orthopædic Surgery. Pathology. Physiology. Preventive Medicine. Rheumatism. Tropical Medicine and Hygiene. Tuberculosis.
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13. Psychical Research.
14. Science (General).
15. Science (Special Subjects).

Astronomy. Biochemistry. Biology. Botany. Chemical Engineering. Chemistry. Colloid Science. Dental Science.	Geology. Mathematics. Metallurgy. Nutrition Pharmacy Physics. Physiology. Zoology.
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16. Theology.
17. Awards tenable outside the United Kingdom.
18. Prizes.

1. GENERAL

* † ‡ BELFAST, QUEEN'S UNIV. *Senior Studentships*, £250 p.a. for 2 yrs., open to graduates of at least 1 yr.'s standing of Belfast or any other approved Univ., tenable normally at Belfast. Applicants should have had previous research experience and have proved their aptitude for it, and should briefly describe the piece of research or other original work upon which they propose to embark. Latest date for applications, June 1, to the Secretary of the Academic Council.

† BRISTOL UNIV. *Michael Hiatt Baker Scholarship*, value £200 p.a. Tenable by a graduate from New Zealand and normally held for 2 yrs.,

but may be renewed for a 3rd yr. The holder will normally be expected to spend 2 yrs in research in the Univ. for a higher degree, but, with the approval of the Profs. concerned, may be allowed to spend some period elsewhere. The scholarship may be held in any subject and is in the appointment of the Vice-Chancellor on the nomination of the Univ. of New Zealand.

* † ‡ BRITISH COUNCIL, 3 Hanover Street, London, W.1. Scholarships are awarded each year to graduates of overseas Univs. and those holding equivalent qualifications. These are tenable at British Univs. and cover passage, fees and full maintenance for at least one academic year. Arrangements for the preliminary selection of scholars are in the hands of the Council Representatives abroad or H.M. Missions in the countries concerned

* BRITISH FEDERATION OF UNIVERSITY WOMEN, Ltd., 17A King's Road, London, S.W.3. (i) *Junior British Scholarship*, £100, offered annually to a British woman graduate not over 25 years. Subject and place of study optional.

* † ‡ (ii) A number of *International Travelling Research Fellowships* are offered annually by the International Federation of University Women. Enquiries should be made to the national Federation of University Women in the graduate's country of residence, in Great Britain and Ireland, to the Secretary, B.F.U.W., as above.

* † ‡ CAMBRIDGE UNIV. *Bartle Frere Exhibitions*, for study or research in any branch of knowledge relating to any part of the British Empire except the U.K. and India. Tenable normally in Cambridge for 1 yr. but may be prolonged for a 2nd yr. Open to graduates of any Univ.

* † ‡ CAMBRIDGE UNIV : CLARE COLL. *Denman Baynes Studentship*, £100 p.a., held usually for 2 yrs., open to grads. of any Univ., with pref. to those of Cambridge and members of Clare Coll. Applications to the Master.

† ‡ CAMBRIDGE UNIV. : GIRTON COLL. (i) *Overseas Scholarship*, £80 for 1 yr., renewable, supplemented by an award from the British Council to cover fees, maintenance and fares, tenable at Girton for study or research in any subject. Offered annually to graduates of Univs. in the U.S.A. or in one of the Dominions of the British Commonwealth, as specified.

* † ‡ (ii) *Eugénie Strong Memorial Fellowship*, not less than £400 for 1 yr., renewable. Open to graduates of Univs. within the British Commonwealth, preference to established scholars in need of additional resources to enable them to use a period of leave of absence or intermission between appointments to accomplish advanced research involving substantial expenditure, particularly advanced research which requires foreign travel. Offered from time to time.

CAMBRIDGE UNIV. : NEWNHAM COLL. *Gamble Studentship* for research in a subject other than Natural Sciences, offered annually, tenable

at Newnham Coll. Open to women graduates of Bristol Univ., and of Trinity Coll., Dublin, as well as to graduates of Newnham.

* † CAMBRIDGE UNIV. : ST. CATHARINE'S COLL. One or more post-graduate awards, the value of which will be determined in accordance with the needs of the applicants. Open to graduates of Univs. in Great Britain and Ireland and of British Univs. overseas.

Further information may be obtained from the Master.

* † † CAMBRIDGE UNIV. . TRINITY COLL. A Research Studentship of value (dependent on the student's pecuniary circumstances) not exceeding £300 p.a., tenable during preparation for the Ph.D. degree in the Univ. of Cambridge, is awarded annually. Open to men under 26 yrs. of age who have graduated at any Univ. other than Cambridge or are otherwise qualified, provided that they have not commenced residence in the Univ. of Cambridge. Tenure is conditional on entry as Research student and upon diligence in the approved course. Applications with certificates of birth, graduation and character, record of education, any evidence of aptitude for research, and full account of pecuniary circumstances, must be submitted through the head of the candidate's Univ. and should reach the Senr. Tutor not later than May 1.

(The following instn. does not grant scholarships but makes loans.)

* † THE CENTRAL BUREAU LOAN FUND (constituted under the Charity Commission) makes loans free of interest to educated women and girls of British birth for training in any profession

Further details from the Secretary, Mrs. J. M. Auckland, 93 Walcott Square, London, S.E.11. (Tel. · RELiance 4045.)

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND. The following Fellowships and Scholarships for research in History, Economics, Modern Languages and Literature, Science and Medicine are open to graduates of Scottish Univs. or to a member of the staff of one of the Univs or Colls. in Scotland receiving grants from the Trust, and are tenable at any Univ. or other institution approved by the Trustees :

(i) A limited number of Fellowships, £700 p.a. for 3 yrs., with possible extension.

(ii) Senior Scholarships, £400 p.a. for 2 yrs., with possible extension for a 3rd yr.

(iii) Scholarships, £250 p.a. for 2 yrs., with possible extension for a 3rd yr.

(iv) Special awards, dependent upon the nature of the research, for special research projects.

(v) Grants-in-aid of research

Application forms supplied by the Secretary, 22 Hanover Street, Edinburgh

* † COLLEGE HALL, Malet St., London, W.C.1. *Pfeiffer Fellowship*, value £90 for one session. Awarded every 3rd yr. Candidates must be graduates of a British Univ. who are engaged in study at the University of London for a higher degree, or in original work approved by the Council. The holder is required to reside in College Hall. Next award

1950-51. Applns. by June 1, 1950. Further particulars from the Principal.

* † † DURHAM UNIV. : KING'S COLL., Newcastle upon Tyne. *College Postgraduate Studentships*, £300-£400 for 1 yr., tenable at King's Coll. or at other approved Univs. Open to graduates with high qualifications of any Univ. One Studentship is earmarked for Chemistry. Applications to Registrar, not later than May 15 in each year.

* † † EDINBURGH UNIV. (i) *Richard Brown Scholarship* for research, £64 for 1 yr. Awarded annually by the Faculties of Divinity, Law, Medicine, Arts, Science, and Music, in rotation. Open to grads. of any Univ. of not more than 5 yrs.' standing, and to undergrad. students of any Univ. who are proceeding to a degree in the yr. of award. A grad. of a Univ. other than Edinburgh must prosecute his research at Edinburgh Univ. 1949, Music. Applns. by May 15 to the Secretary of the Univ.

* (ii) *Shaw Macfie Lang Fellowship*, £200 p.a. approx., tenable for 2 yrs. at an approved institution in a subject decided from time to time by the Senate of the Univ. Open to honours graduates of Scottish Univs.

* † † HARVARD UNIV. The *Frank Knox Memorial Foundation* which has recently been established in the conviction that co-operation between the British Commonwealth and the United States of America based upon an informed and understanding contact of the peoples of these two countries is an essential to international peace, provides for an interchange of students, preferably graduates, between the Univs. of the British Commonwealth and those of Harvard. Candidates will be selected on the basis of future promise of leadership and will be required to study in one of the following Faculties at Harvard: Arts and Sciences, Business, Design, Divinity, Education, Law, Public Administration, Engineering, Medicine, Public Health.

Further particulars from the Secretary, The Association of Universities of the Commonwealth, 5 Gordon Square, London, W.C.1.

* † † THE INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN, 17A King's Road, London, S.W.3, awards Travelling Fellowships for women graduates of all countries, available for a year's research work in some country other than that of the holder. Research fellowships are awarded annually, value £300-£375.

Further particulars from the Secretary.

* † LEICESTER UNIV. COLL. *Postgraduate Scholarships* up to the value of £200 p.a. for 2 yrs., tenable in any department of the Coll. Open to graduates of Univs. within the British Commonwealth, who must be qualified to undertake full-time research or postgraduate study, preferably with the intention of taking a higher degree.

Further particulars from the Registrar.

* † † LEVERHULME RESEARCH FELLOWSHIPS AND GRANTS in aid of Research. The Trustees of the Will of the late Lord Leverhulme, acting on the advice of an Advisory Committee, award a number of research fellowships for varying periods from 3 months up to 2 yrs. Applicants

must be British-born "experienced workers" normally resident in the U.K., preferably men and women prevented from carrying out research either by pressure of routine duties or by any other cause. The Trustees are prepared to consider applications from groups of workers engaged upon co-operative programmes of research. In exceptional circumstances the Trustees may waive the condition as to residence. Preference will be given to subjects in which existing provision is inadequate. The amount of individual grants is adjusted according to the circumstances of each case. Fellows will usually be required to work at, or in connexion with, a recognized centre of research either at home or abroad. 8 awards and 15 grants in aid of research were made in 1947. Closing date for applns. is March 1. Application forms and further information from the Secretary, Leverhulme Research Fellowships, 7 Bedford Row, London, W.C.1.

† LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Marie Souvestre Scholarship*, £75 p.a. for 2 yrs, or £150 for 1 yr., tenable at Bedford College. Awarded biennially. Last award 1947. Open to French-women only.

Further particulars from the Registrar.

* † ‡ LONDON UNIV.: KING'S COLL., Strand, London, W.C.2. *Tutorial Studentships* of £300 p.a. have been instituted in several Departments, and are renewable annually to a maximum of 4 yrs. Open to graduates of any Univ. who are reading for a higher degree. The holders will be required to assist in their Departments for 6 (in some cases 9) hours per week. Vacancies do not normally recur annually but are advertised in the Public Appointments column of *The Times* about May.

* † ‡ LONDON UNIV. · ROYAL HOLLOWAY COLL., Englefield Green, Surrey. (i) *Jubilee Research Fellowship*, tenable for 2 yrs. Intended to promote research work, preferably in those subjects in which Univ. courses are provided at the Coll. Open to women of any nationality who have already shown ability for research. The Fellowship includes all the privileges of a resident member of the staff, including board and residence in Coll. for about 45 weeks a yr. and a stipend of £250 p.a. paid terminally in advance. Next award probably 1948.

* † ‡ (ii) *Postgraduate Studentships* (4 or 5), value up to £200 p.a., awarded annually. Open to graduates of any Univ. qualified to undertake research work, and to any present students of the Coll. who wish to take up research or advanced study and who are completing their degree course in the year in which they apply.

Further particulars from the Principal's Secretary.

* † ‡ LONDON UNIV.: WESTFIELD COLL. (for women). Two resident *research studentships* open to women graduates in Arts or Science of any Univ. Value £250, from which is deducted the M.A., or Ph.D. fee and £100 for 3 terms' residence. Applications (10 sets) for the ensuing academic year should be made in February and should be accompanied by a scheme of work, copies of 3 testimonials, and names of 2 referees.

* † ‡ MANCHESTER UNIV. (i) A limited number of *Hon. Research*

Fellowships are offered to candidates who can satisfy the Faculty concerned that they are qualified for some special study or investigation. Fellows work under the direction of the relevant Prof., and Fellows in Experimental Science are allowed to use approved appliances in the laboratory. They must themselves provide special apparatus and materials. Tenable, normally at the above, for 1 yr., renewable for 2nd and possibly 3rd yr. Further particulars from the Registrar.

* † ‡ (ii) *Ashburne Hall Research Studentship* of the value of board and lodging in Ashburne Hall throughout three Univ. terms. Open to women graduates of approved Univs. Permission may be given to hold the Studentship concurrently with other awards made by the Univ. or outside bodies. Last date for application June 15.

† THE NUFFIELD FOUNDATION, 12-13 Mecklenburg Square, London, W.C.1. *Dominion Travelling Fellowships* in Medicine, Social and Natural Sciences and the humanities, to enable qualified men and women from the Dominions to obtain in the U.K. such postgraduate study as will assist them to become teachers and research workers in their particular fields upon return to their own Dominions, value up to £800 p.a. plus cost of travelling to Gt. Britain, tenable for 1 yr.

Further particulars from the Secretary.

* † ‡ OXFORD UNIV. : LADY MARGARET HALL. (i) *Resident Research Fellowship*, value £300, open to women graduates of any Univ., given for 3 yrs. in first instance, with possibility of renewal.

* † ‡ (ii) *Research Scholarship*, value £100, open in alternative years to women graduates of any Univ., awarded for 1 yr. in first instance, with possibility of renewal for a 2nd yr.

* † ‡ (iii) *Susette Taylor Fellowship* for independent study abroad. Value £150, open to women graduates of any Univ., with preference for Oxford. Awarded in first instance for 1 yr., with possible extension. Tenure from Sept. 1. Applications by beginning of Jan.

* OXFORD UNIV. . QUEEN'S COLL. *Robert Styring Scholarships* in modern subjects, tenable for 1 yr., renewable. Open to candidates who have taken their Final Honours examination for the degree of B.A., or other first degree, in a Univ. other than Oxford but within the United Kingdom.

Further particulars from the Secretary.

‡ OXFORD UNIV. : SOMERVILLE COLL. *Lady Carlisle Research Fellowship*, present value £250 p.a. with board and residence for 5 yrs., renewable up to 10 yrs. Open only to women of European race and to naturalized Jewesses who are unmarried or widows. Last award 1946.

* OXFORD UNIV. : WADHAM COLL. *Pollard Senior Scholarship*, £250 p.a., tenable at Oxford for postgraduate study or research. Open to graduates of United Kingdom Univs.

Further particulars from the Senior Tutor.

* † ‡ NOTTINGHAM UNIV. COLL. (i) A limited number of *Postgraduate Studentships* in the Faculties of Arts (including Economics and Social Studies), Education, Pure Science, Applied Science, Agriculture and

Horticulture, tenable for 1 yr. but renewable for a 2nd and 3rd yr., usually at the Univ. Coll. but permission may be granted for some period to be spent elsewhere. Value 1st yr. £200, 2nd yr. £250, 3rd yr. £300.

* † ‡ (ii) A limited number of *Research Fellowships*, £400 p.a., tenable at the Univ. Coll. in any one of the above Faculties, in the first instance for 1 yr. but renewable for further periods.

Further particulars from the Registrar

† ‡ RHODES TRUSTEES. *Scholarships* (60-70), to enable students from the British Dominions (36) and U.S.A. (32) who have been selected by virtue of scholastic and athletic attainments and for qualities of character, to study at the Univ. of Oxford for an honours or research degree and thus to promote international friendship; value £400 p.a. each with, at present, a special supplement of £100; tenable for 2 yrs. at Oxford and renewable for a 3rd at Oxford or elsewhere, but not in the scholar's own country. Open to male candidates, unmarried and between the ages of 19-25, who are citizens of the country from which they come and who have at least 2 yrs.' standing at a regular degree-granting Coll. or Univ.

Further particulars from the Secretary to the Trustees, 36 Beaumont Street, Oxford.

SIR RICHARD STAPLEY EDUCATIONAL TRUST. Constituted in 1919, to administer a fund to assist educational progress by subsidizing necessitous students, etc. In 29 years it has assisted nearly 6000 students at Univs. In 1933 the Trust published a report on the scholarship system with special reference to grants by Local Education Authorities, entitled "The Poor Student and the Universities." *Address*—The Secretary, 32 Gordon Sq., London, W.C.1.

THE ROYAL EMPIRE SOCIETY. *Annual grants* from a small fund are made to facilitate the publication of original monographs, of not more than 60,000-80,000 words, embodying results of research conducted into some matter of importance relating to the British Empire overseas or some associated subject. The research may be concerned with any appropriate subject, whether in political, natural or economic science or in the field of literature. Candidates should not be more than 35 years of age on Dec. 31 in the year of application.

Further particulars from the Secretary, Imperial Studies Committee, Royal Empire Society, Northumberland Avenue, London, W.C.2.

* † ‡ SOUTHAMPTON UNIV. COLL. (i) A limited number of *Honorary Research Fellowships* tenable at the College are granted under the following conditions: (a) Except in special circumstances, the applicant must hold a degree of a Univ. within the British Empire; (b) Library and laboratory facilities, including ordinary apparatus, are provided free of charge

(ii) A sum of money is allotted annually by the Coll. Council for the provision of one or more *postgraduate research awards* of value not exceeding £200 p.a., tenable for 1 or 2 yrs. and renewable in special circumstances for a 3rd yr.

(iii) A further amount is allocated annually by the Council to aid

research workers to meet the expenses of an approved piece of research. Applicants must provide the Committee with full information as to the nature of the research proposed, and furnish, at the end of the academic year, a report embodying an account of progress made in the work undertaken and of the nature and amount of the expenses involved. Last day for receiving applications: Oct. 8; last day for grantees' reports: June 1.

Further particulars from the Registrar.

THE CHARTERED SURVEYORS' INSTITUTION, 12 Great George St., London, S.W.1. *Travelling Scholarships* at present in abeyance pending a general review of educational policy.

2. AGRICULTURE, VETERINARY SCIENCE, ETC.

* † ‡ AGRICULTURAL RESEARCH COUNCIL, 6A Dean's Yard, Westminster, London, S.W.1. At present, up to twenty-five awards for postgraduate training in scientific subjects bearing on research into the problems of agriculture and animal health are offered to *British subjects*. The object of these awards is to enable students to obtain postgraduate training, either in some aspect of science not adequately covered in their degree curricula, or in the methods of research in subjects with which they have already been concerned. The training provided in this way, usually at Univ. Departments or Research Institutions in Great Britain, although primarily directed to research, is also suitable for those who wish to obtain certain specialized appointments in the Agricultural Advisory Services.

Three types of award are offered:

(i) *Training grants*, intended primarily to enable students who graduate with honours in Science or have an equivalent qualification and holders of a veterinary qualification, to undergo a course of training prescribed by the Council in some aspect of science bearing on the investigation of agricultural problems, e.g. a zoologist may require training in genetics or a veterinarian in physiology. In these circumstances the course of studies will not, as a rule, be such as to make it possible for the holder of an award to qualify at the same time for a higher degree (Ph.D.). The awards are tenable for a period up to 3 yrs. and are renewable annually, either as training grants or studentships (see under (iii)). An opportunity of study abroad for part of the period will be given so far as circumstances allow.

(ii) *Veterinary training grants*, tenable for not more than 4 yrs. and intended to enable graduates with Honours in Science to obtain a veterinary professional qualification with a view to undertaking research into problems of animal health.

(iii) *Research Studentships*, tenable for a period of up to 3 yrs. and open to those who graduate with Honours in Science, or hold an equivalent qualification, and to holders of a veterinary qualification, to enable them to gain research experience through the study of some specific problem under suitable supervision. Considerable latitude in the choice of subject will be allowed, but in selecting candidates the Council will have regard to the need for workers in particular basic

sciences of importance to agricultural research. So far as the programme of study admits, the holders of these awards will be allowed to register for a higher degree. Study abroad will only be possible in suitable circumstances.

The maintenance allowance to be granted for the three types of award varies from £260 to £300 per annum, according to the place and circumstances in which the award is held. The awards are free of income tax. In addition to the maintenance allowance, fees compulsorily incurred and approved expenses and maintenance while abroad will be paid, together with a sum not exceeding £10 for essential text-books. For male candidates who are already married there may be additional allowances.

Applications must be submitted by a senior member of the candidate's Department *not later than May 15*, and, in respect of Research Studentships, should indicate that the study to be pursued can be undertaken in the Department sponsoring the application. Provisional applications can be made on behalf of candidates who have not yet been informed of the result of or who have not yet sat their final examination.

Senior Fellowships Awards can also be made to enable more senior workers to widen their experience, or to gain proficiency in new techniques where this is desirable in the interests of agricultural research. There is no formal scheme for these awards. Those interested should enquire of the Secretary of the Council.

Special research grants for specific investigations are made by the Council direct to Universities, Research Institutes and other recognized bodies. In exceptional circumstances assistance from this source to individual experimental research workers would be considered.

* † COLONIAL OFFICE. (i) About 25 *Probationerships*, usually tenable for two years, will be awarded annually until further notice for General Agriculture and Agricultural Research. The value of these awards may vary but will not be less than £260 plus tuition fees, examination fees, passages and certain other expenses. Candidates should hold a degree in Natural Science, preferably with Honours, or in Agriculture. The holders normally spend 1 yr. at a Univ. or similar institution in Great Britain and 1 yr. at the Imperial College of Tropical Agriculture, Trinidad. On satisfactory completion of his course a scholar is normally offered a post in the Colonial Agricultural Service.

* † (ii) A few *Probationerships* in Veterinary Science will be awarded annually until further notice, for periods from 1 to 4 yrs. Value will not be less than £300 per annum, which is intended to include payment of tuition fees, etc. Candidates should normally hold a Science degree of a British Univ. or the Diploma of the Royal College of Veterinary Surgeons or a Veterinary qualification approved by the Secretary of State and granted in one of the self-governing Dominions. On completion of training holders are normally appointed to the Colonial Veterinary Service.

Further information obtainable from Director of Recruitment (Colonial Service), Sanctuary Buildings, Great Smith Street, London, S.W.1.

* EMPIRE COTTON GROWING CORPORATION, 1A Harrington Road, London, S.W.7. The Corporation from time to time offer postgraduate scholarships to provide opportunities for advanced study or additional training in research methods in such subjects as plant breeding, entomology, genetics, etc. These scholarships are normally tenable for either 1 or 2 yrs. at some selected Univ. or scientific institution. The award of a scholarship does not guarantee subsequent appointment to the staff of the Corporation, although this is the usual method of recruitment.

The financial provisions of the scholarships are the same as those applicable to the scholarships in Agriculture offered by the Colonial Office.

* † LONDON UNIV : WYE COLL. *May and Baker Research Fellowship*, £400 p.a., renewable for a maximum period of 3 yrs., tenable in the Department of Physical Sciences. Open to graduates of Univs in Gt. Britain, Ireland, or of British Univs. overseas. The holder must be prepared to carry out research in a field of Agricultural Chemistry approved by the Head of the Department.

* † † MANCHESTER UNIV. *Philip Buckle Research Scholarship* in Agric. Zool. £120 p.a. plus laboratory fees, renewable for 2nd yr., normally tenable at the above. Open to graduates of British Univs. or other candidates possessing required qualifications, with preference to Science grads. of the Univ. Next award probably 1950. Last date of appln. June 20.

Further particulars from the Registrar.

* † † NOTTINGHAM UNIV. COLL. *Postgraduate Studentships and Research Fellowships*, see under General.

* UNITED DAIRIES, LTD., 34 Palace Court, London, W 2. One *Travelling or Research Scholarship* for study in a subject closely connected with dairying or dairy farming, tenable at home or abroad. Open to Univ. graduates and other persons with exceptional qualifications who are the sons and daughters of those who have been or are farmers or smallholders resident in Cornwall, Devon, Dorset or Somerset. The value is determined in each individual case.

Further particulars from the Assistant Secretary.

3. APPLIED SCIENCE AND TECHNOLOGY

* † † BIRMINGHAM UNIV *Research Studentship* in Oil Engin. and Refining, £240 p.a., and remission of tuition fees, tenable at Birmingham, renewable annually for not more than 3 further yrs. with increase of £20 p.a. to maximum £300. Candidates must possess a Univ. degree or equivalent in Science. Pref to those with industrial lab. experience. Offered every alternate yr. Next award may be made in 1948

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries* of £150-£300 p.a., plus essential fees, for the advancement of scientific knowledge directly related to the production or processing of iron and steel may be awarded to students desirous of studying for a higher degree

in Metallurgy, Physics, Chemistry or Engineering. Open to graduates who are holders of a Science degree or an equivalent qualification in a United Kingdom or Empire Univ. Tenable at any Univ. or Coll. but preferably not where the bursar took his first degree. The subject of research must be approved by the Director of the Association. The period of tenure will, in general, be determined by the nature of the research.

Applications, stating the nature of the proposed research, should be made through the Professor of the Univ. or Coll. at which the bursary will be tenable.

Further particulars obtainable from the Secretary, British Iron and Steel Research Association, 11 Park Lane, London, W.1.

* † † **DURHAM UNIV. : KING'S COLL., Newcastle upon Tyne.** *Coke Research Fellowship*, £350 for 1 yr., tenable at King's College. Open to graduates of any Univ. qualified for the prosecution of postgraduate research on a subject connected with the Coking Industry. Preference given to candidates who have signified their intention of entering the Coking Industry or, in the absence of such a candidate, to a person qualified for some other branch of the Fuel Industry. Applications to Registrar not later than May 1 in each year.

* † † **LEEDS UNIV.** (i) Fellowships (£160) and Scholarships (£100-£140) instituted by the Clothworkers' Company for research in Textiles and Colour Chemistry, open to graduates of any Univ. Tenable for 1 yr. and renewable. Applications received up to June 1.

* † † (ii) *Gas Research Fellowship*, £305 p.a., open to qualified candidate, with preference to one intending to enter the coal gas industry. Tenable for 1 yr. and renewable. Award made in June, after advertisement.

* † † (iii) *James Edmondson Ackroyd Fellowship*, value not less than £150 p.a., for research work for the furtherance of the Textile Industry of the West Riding of Yorkshire. Preference to graduates in Sci. or Technol.; open to suitable candidates from other Univs., but preference *ceteris paribus* to natives of, or residents for not less than 5 yrs. in, Bradford. Awarded for 3 yrs., and renewable for further period not exceeding 3 yrs. Awards made in June; applications received up to May 1.

* † † (iv) *Yorkshire Copper Works Research Scholarship* for research in non-ferrous metallurgy, £300 p.a., tenable at the Univ. of Leeds for 1 yr., renewable. Open to suitably qualified graduates of any Univ. Applications to the Registrar on the prescribed form not later than May 1.

* † † (v) *British Coke Research Fellowship*, see under Sheffield Univ. below. Applications to the Registrar not later than June 1.

* † † (vi) *International Wool Secretariat Scholarships* for research in the wool industry, £300 p.a., tenable in the Univ. for 1 yr., renewable. Open to graduates of any Univ. with suitable qualifications and to holders of the Diploma in Textile Industries of the Univ. of Leeds, and to Fellows and Associates of the Textile Institute. Applications should reach the Registrar not later than May 1.

* † ‡ (vii) *Bradford Dyers' Association Fellowships in Dyeing and in Textile Finishing* for research into properties of natural and synthetic fibres and the study of processes used in their treatment, £600 p.a., tenable in the Univ. for 2 yrs. in the first instance, renewable. Open to graduates in Chemistry, preferably Physical Chemistry, of any Univ. Applications to the Registrar.

* † ‡ (viii) *Proctor Memorial Fellowship* for research in the leather or allied industries, £140 p.a., tenable at the Univ. for 1 yr., renewable for 1 yr. Open to graduates of any Univ.

Further particulars in each case from the Registrar.

* † LONDON UNIV. · IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY, London, S.W.7. (i) *Gas Light and Coke Company Fellowship*, £250. (ii) *Radiation Ltd. Fellowship*, £300

Both (i) and (ii) are for research in carbonization, gaseous fuels and combustion, tenable for 1 yr., renewable for a further yr. in the Dept. of Chemical Engineering at Imperial Coll. Candidates should have qualified in Chemistry as principal, and Mathematics and Physics as subsidiary subjects, or in Chemical Engineering, at a British Univ., and must be willing to train for a responsible post in the gas industry. Candidates with equivalent qualifications considered.

Further particulars from the Registrar.

* † ‡ MANCHESTER UNIV. : (i) *Maclaren Cotton Industry Research Scholarship*.

* † ‡ (ii) *Wool Research Scholarship*. See Econ. and Sociology.

* † MANCHESTER UNIV. : MUNICIPAL COLL. OF TECHNOLOGY. A limited number of *Research Scholarships* in Technology of a value not exceeding £160 plus approved fees. Open to graduates of any Univ. in the British Empire and to others possessing special qualifications. Candidates must be British subjects. Last date for applications July 1.

Further particulars from the Registrar.

* † ‡ NOTTINGHAM UNIV. COLL. *Postgraduate Studentships and Research Fellowships*, see under General

THE ROYAL COMMISSION FOR THE EXHIBITION OF 1851. *Industrial Bursaries*. These were suspended indefinitely in 1939 and there is little likelihood of their being offered again in the immediate future.

SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. The Fellowships normally offered are at present in abeyance.

* † ‡ SHEFFIELD UNIV. : (i) *Coke Research Fellowship*, £350 for 1 yr. with possibility of renewal; tenable in the Department of Fuel Technology in the Univ. for the prosecution of research on a subject connected with the coking industry. Open to graduates of any recognized Univ.

* (ii) *Research Fellowship* in Glass Technology, £600 p.a., tenable at the Univ. for 2 or 3 yrs., to be offered in 1948. Open to graduates of Univs. in Gt. Britain and Ireland in Engineering or in Science, preference being given to the former if suitable applicants are forthcoming.

Further particulars in each case from the Registrar.

4. ARTS (General)

* † ‡ BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. *Caroline Spurgeon (International) Scholarship*, open to a woman graduate of any recognized Univ. for a yr.'s research in Arts, while in residence at Crosby Hall, Chelsea, London (the International Clubhouse of the B.F.U.W.). Value of last award £200.

Further details from the Secretary.

* † ‡ CAMBRIDGE UNIV. : GIRTON COLL. (i) *Jex-Blake Fellowship* in Arts, not less than £250 p.a. for 3 yrs., for research in any branch of learning except Maths and Nat. Sciences, normally tenable at Girton. Open to women graduates of any Univ., preference to those of Univs. within the British Commonwealth. Tenure as from July 1 or Oct. 1 at Fellow's option. Offered from time to time

(ii) *Pfeiffer Fellowship* in Arts, not less than £250 p.a. for 3 yrs. Conditions as for Jex-Blake Fellowship above

* † ‡ DURHAM UNIV. : THE DURHAM COLLS. *Research Fellowship* in Arts, £600 for 2 yrs., renewable for a further yr. ; tenable in the Faculty of Arts. Open to graduates with research experience of any Univ.

Further particulars from the Secretary, 38 North Bailey, Durham.

* † ‡ EDINBURGH UNIVERSITY *Richard Brown Scholarship*, see under General.

* † ‡ HARVARD UNIV. *Frank Knox Memorial Foundation*, see under General.

* † ‡ MANCHESTER UNIV. : *Advanced Graduate Research Scholarship* in Arts, £250 for 1 yr., renewable for 1, and in exceptional cases, 2 yrs. Open to persons who have graduated M.A. in the Univ. of Manchester after having obtained their first degree in any approved Univ. and who are recommended as suitable to prosecute research in subjects within the purview of the Faculty of Arts. Applications to be made not later than July 1 in the year of graduation as M.A. or in the year next following.

Further particulars from the Registrar.

† ‡ NOTTINGHAM UNIV. COLL. *Postgraduate Studentships and Research Fellowships*, see under General.

† THE NUFFIELD FOUNDATION. *Dominion Travelling Fellowships*, see under General.

5. ARTS (Special Subjects)

Anthropology

* † ‡ EDINBURGH UNIV. *Tweedie Exploration Fellowship* in Anthropology and Archæology, value about £160 p.a. for 2 yrs. Open to graduates of any Univ. Awarded for Archæological, Ethnological, Sociological or Linguistic exploration and research in the less-known regions of Asia and Northern Africa. Candidates must submit a detailed project of investigation and satisfactory evidence of their experience of such work and their capacity to undertake the particular research proposed. Applications by Jan. 31 to the Secretary of the Univ.

* † ‡ LONDON UNIV.: UNIV. COLL, Gower Street, London, W.C.1. *Benington Memorial Studentship* in Anthropometry and Craniology, £110 p.a., tenable for 1 yr at Univ. Coll. Awarded every 4th yr. Open to graduates of any Univ. Applications to the Registrar of the Coll on or before May 15

* † ‡ OXFORD UNIV.: EXETER COLL. *Alan Coltart Scholarship* in Anthropology, £80 p.a. for a maximum period of 2 yrs Open to graduates of Univs. within the British Commonwealth.

Further particulars from the Senior Tutor

Architecture, Art and Archæology

* † ‡ EDIN. UNIV. *Tweedie Exploration Fellowship* in Archæology, see Anthropology.

* † ‡ LEEDS UNIVERSITY, *Harold Teiley Postgraduate Studentship* in the History of Art in Yorkshire, value £200 p.a., tenable for 2 yrs.

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize*, see under Classics

* † ‡ OXFORD UNIV.: UNIV COLL. *Lady Walks Budge Fellowship* in Egyptology, tenable for 3 yrs. and renewable for a further 3 yrs. Open to graduates of Univs within the British Commonwealth.

Information as to stipend and duties may be obtained from the Master, Univ. Coll., Oxford

* ROYAL INSTITUTE OF BRITISH ARCHITECTS. (i) *The Henry Saxon Snell Prize and Theakston Bequest*, £125, for the study of the improved design and construction of hospitals, convalescent homes and asylums for the aged and infirm poor. Offered in alternate years. Next award 1949-50

* † (ii) *The Hunt Bursary*, £75, for Housing and Town Planning. Open under certain conditions to Members and Students of the R.I.B.A. and Allied Societies overseas under 30 yrs of age. Offered annually.

* † (iii) *The Neale Bursary*, £100, for the measurement of old buildings. Open under certain conditions to Members and Students of the R.I.B.A. and Allied Societies overseas. Offered in alternate years. Next award 1948-49.

* (iv) *The Alfred Bosson Research Fellowships* for postgraduate research in architecture. Open to Members of the R.I.B.A. Offered annually.

These awards are all tenable either within the U.K. or abroad. See also under Awards tenable outside the United Kingdom.

Further particulars from the Secretary, Board of Architectural Education, R.I.B.A., 66 Portland Place, London, W.1.

* † ‡ THE LONDON MUSEUM, Lancaster House, London, S.W.1. *Leverhulme Research Studentship* for Archæology or History connected with London, offered biennially, value £300 p.a. Open to all graduates without restriction. Last award June 1948.

For further particulars apply to the Secretary.

Classics

CAMBRIDGE UNIVERSITY. *Sir Perceval Mailland Laurence's Bequest* Grants not exceeding £100 p.a. may be made in aid of research.

* † ‡ LONDON UNIV.: KING'S COLL., Strand, London, W.C.2. *Ronald Burrows Memorial Prize*, value about £30, offered annually to a graduate of a British Univ. or of the Univ. of Athens. Applications to reach the Principal by July 31. The holder to pursue an approved course of advanced study in Ancient, Mediæval or Modern Greek Language, Literature or History or in Greek Archæology.

History

* † CAMBRIDGE UNIV. *Holland Rose Studentship* in History, £150 p.a. for 1 yr. with possibility of re-election for a 2nd yr., tenable at Cambridge. Open to male graduates of Univs. within the British Commonwealth.

* CAMBRIDGE UNIV.: GIRTON COLL. *Graduate Scholarship* for Historical Research, tenable for 1 yr. at Girton. Open to women graduates of United Kingdom Universities. Offered from time to time.

* CARNEGIE TRUST FOR THE UNIVS OF SCOTLAND. *See under General.*

* † ‡ LONDON MUSEUM. *Leverhulme Research Studentship*, *see Art and Archæology.*

* † ‡ LONDON UNIV.: INSTITUTE OF HISTORICAL RESEARCH, Senate House, London, W.C.1. (1) *Research Fellowships in History*, £250 or such smaller sum as will ensure that a holder's total income from scholarships is not less than £250 p.a., for 1 yr., renewable, tenable at the Institute. Open to graduates of any University.

Applications, on the prescribed form, should reach the Secretary before May 1 in each year.

* † ‡ (ii) *Lindley Studentship*, value £120 plus a Ministry of Education supplementary grant, awarded every 3rd yr. if there is a candidate of sufficient merit, for research in History to be undertaken at the Institute of Hist. Research. Open to both sexes: preference to a graduate of the Univ. or to candidate prepared to work for a higher degree of the Univ. Applications as for (i) before May 30, 1950.

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize*, *see under Classics above.*

* † ‡ LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Studentship* in social and economic history, *see under Economics and Sociology.*

* † LONDON UNIV.: UNIV. COLL. *Sir William Meyer Studentship* for the study of European Hist. and the Hist. and Geog. of India in alternate yrs., £120 each, normally tenable for 1 yr. Open to graduates of Univs., of the Empire studying for approved higher degrees of the Univ. of London. Applications to the Registrar of the Coll. on or before May 15. Next award June 1949—European History.

* † ‡ MANCHESTER UNIV. (i) *Edmund Roscoe Postgraduate Scholar-*

ship, £50 for 1 yr., renewable for a second yr., normally tenable at the above. Open to persons of British nationality who have studied Hist. in any Univ. or Univ. Coll. Offered alternately with the Pickles post-graduate studentship. Next award 1950. Last date for applns. June 15.

* † ‡ (ii) *Pickles Postgraduate Studentship*, £50 for 1 yr., offered biennially, conditions same as for foregoing, except that there is no limitation to British subjects. Next offer 1949. Last date for applns. June 15.

Further particulars from the Registrar.

* OXFORD UNIV.: WADHAM COLL. *Barnett Senior Scholarship* in Economics or Economic History, *see under* Economics and Sociology.

International Relations

* † ‡ MANCHESTER UNIV. *Charles Harold Herford Exhibition*, £100 for 1 yr., payable quarterly. For study of International Relations, including Comparative Literature. Open to grads. of any Univ. The holder may be required to spend a part or the whole of the period of study abroad at an instn. or under conditions approved by the Senate. The Exhibition will normally be offered every 5 yrs. Last date for applns. April 15 in the year of award.

Further particulars from the Registrar.

Law

CAMBRIDGE UNIV. (i) *F. W. Maitland Memorial Fund*. (Annual income about £100.) Grants may be made to any person engaged in any research in the History of Law or of Legal Language or Institutions, or for delivery of lectures, publication of works, etc., connected with these subjects.

* † ‡ (ii) *Whewell Scholarships* in International Law, one at least annually, not exceeding £100, for 2, with possible extension to 3 yrs., tenable at Cambridge. Open to men and women graduates of any Univ. who are under 25.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. Fellowship in Scots Law, *see under* General.

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship*, *see under* General.

* † ‡ HARVARD UNIV. *Frank Knox Memorial Foundation*, *see under* General.

* INNER TEMPLE, London, E.C.4. Two *Entrance Scholarships*, £200 p.a., are open to students and intending students of the Inn who are graduates or undergraduates of any Univ. in England or Wales who undertake to practise at the English Bar, but in present circumstances any candidate who can satisfy the Scholarship Committee that his non-attendance at a Univ. has been due to the war will be considered eligible. In awarding the scholarships, which are tenable for 3 yrs., regard will be had to the age, the means and the Univ. career of the candidate and to testimonials (not exceeding two) from his tutor or other Univ. or Coll.

authorities. Applications must be made before November 1 on the prescribed form.

Further particulars from the Sub-Treasurer.

LINCOLN'S INN, London, W.C.2. (i) *Cassel Scholarships* (each to the value of £600, i.e. £200 p.a. for 3 yrs.), "for the encouragement of the study of the Law and the advancement of legal education." One to be awarded annually.

(ii) *Cholmeley Scholarships*, each value £400. Four normally awarded annually to members of either Oxford or Cambridge Univ.

Candidates for both (i) and (ii) must be British subjects who intend to follow actual practice at the Bar in England or the teaching of Law in a Univ. in the U.K. The selected candidate, if not already a member of Lincoln's Inn, must become and remain one. Applications for the present year to be received not later than March 23, 1949.

Further particulars from the Under-Treasurer.

* MIDDLE TEMPLE, London, E.C.4. *Harmsworth Scholarships* (6 or more), £200 p.a., tenable for 3 yrs., awarded annually in October. Candidates must be members of the Middle Temple intending to practise at the English Bar, and must be present or former resident male members of a Coll. at Oxford or Cambridge, and must be nominated for selection not later than the middle of July in each year by the Vice-Chancellor of their Univ. By the terms of the Harmsworth Trust, the Vice-Chancellors in selecting candidates for nomination shall take into consideration their character, scholarship and their intention to practise at and follow loyally the tradition of the English Bar.

Names of candidates should be sent to the Vice-Chancellors through Heads of Colleges or Tutors before June 30 in each year, and forms of nomination of candidates will be supplied on application to the Secretary to the Harmsworth Committee, Treasury Office, Middle Temple, London, E.C.4

Mathematics

* † ABERDEEN UNIV. *Robbie Scholarship* in Mathematics, see under Science (General).

* † † CAMBRIDGE UNIV. : GIRTON COLLEGE. *M.T. Meyer Studentship* for research in Maths., or for a course of advanced study leading up to such research, tenable for 1 yr. at Girton. Open to graduates of any Univ. Offered annually.

* † † MANCHESTER UNIV. *Bishop Harvey Goodwin Mathematical Scholarship*, £60-£70 (in special cases of greater value) for 1 yr., normally tenable at the above. Open to Hons. grads. in Maths. of Manchester or to other suitably qualified candidates intending to pursue research in Maths., Pure or Applied. Last date for applns. June 20. Due notice will be given of the next offer.

Further particulars from the Registrar.

THE ROYAL SOCIETY. *Jarrow Research Professorships*, see Science (General).

Modern Languages

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *See under General.*

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under Classics, above.*

LONDON UNIV.: SCHOOL OF SLAVONIC AND EAST EUROPEAN STUDIES

* † (i) *Roston Scholarship* in Russian Phonetics, £200 p.a. for 1 or 2 yrs, terminating in December 1950. Open to graduates of Univs. in Gt. Britain and Ireland or of British Univs overseas

* † (ii) *Tutorial Studentships* in Russian (2), £300 p.a. for 1 yr, renewable. Open to graduates of Univs. in Gt. Britain and Ireland and of British Univs. overseas. Holders will be expected to conduct research in Russian studies for a higher degree in the Univ. of London, and to contribute not more than six hours of teaching work a week in term in the Russian Department of the School.

Further particulars from the Secretary.

* † LONDON UNIV.: UNIV. COLL., Gower Street, London, W.C.1. *Roston Studentship* in Phonetics as applied to the practical study of foreign spoken languages, £200, awarded annually, tenable for 1 yr at Univ. Coll. Cand. must be a British subject. Applications to the Registrar of the Coll. on or before March 1.

* † THE TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES have announced particulars of *Postgraduate Studentships* in Oriental, Slavonic, East European, and African studies, to be awarded to men and women intending to follow a career of teaching and research in these studies in the U.K.

With exceptions where specially recommended, candidates must hold a first-class honours degree of a Univ. within the British Commonwealth. Awards will not ordinarily be made to candidates under 21 or over 27 yrs. of age, but the Treasury Committee are prepared to consider applications made before July 1, 1949, on behalf of candidates not over 35 yrs of age who may wish to relinquish their present employment and seek a career in the studies in question.

The studentships will be of two kinds. *Junior Studentships* will include the payment of fees and an adequate maintenance allowance, varying from £180 to £260 p.a. for unmarried students, according to circumstances of accommodation. Higher rates will be paid to married students in certain circumstances. *Senior Studentships* will include payment of fees and of an allowance, subject to tax, of £440 to £500 p.a., with annual increments of £15 p.a.

Further particulars from the Secretary, Treasury Committee for Studentships, The Treasury, Whitehall, London, S.W.1.

Music

* † ‡ EDINBURGH UNIVERSITY. *Richard Brown Scholarship, see under General.*

SCOTTISH UNIVS. *Sir James Caird Travelling Scholarship* in Music, *see under Awards tenable outside the U.K.*

Oriental and African Studies

* † ‡ LONDON UNIVERSITY. *Ouseley Memorial Scholarships*, 1 in Arabic, 1 in Persian, 1 in Urdu (or, in certain circumstances, in Chinese, Sanskrit, Hindi, or Bengali). £50 each for 1 yr. in the first instance, tenable at a College or School of the Univ. or, provided the candidate has already so studied for an academic year, in an Oriental country. Open to candidates of European origin. Full particulars from, and applications (on a prescribed form before March 15) to, the Academic Registrar, Univ. of London, W.C.1.

* † ‡ LONDON UNIV. : SCHOOL OF ORIENTAL AND AFRICAN STUDIES (i) *Forlong Scholarships*, maximum value £150 and/or *Exhibitions*, maximum value £50, p.a.; sometimes but not normally renewable; tenable at the School in any branch of Oriental Studies. Candidates must be persons of other than Asiatic origin. The number and amount of the awards is dependent on the funds available.

* † (ii) *Roston Scholarships* in Phonetics and Linguistics with special reference to spoken Oriental languages, £200 p.a. for 1 yr., tenable in the Department of Phonetics and Linguistics of the School. Candidates must be graduates of British nationality.

Further particulars may be obtained from the Secretary of the School, London, W.C.1.

* † LONDON UNIV. : SCHOOL OF SLAVONIC AND EAST EUROPEAN STUDIES. *See under* Modern Languages.

* † OXFORD UNIV. *Kennicott Hebrew Fellowship*, £250 p.a., tenable at the Univ. for 3 yrs. Open to graduates of Univs. within the British Commonwealth whose degrees are approved for senior status.

Further particulars from the Registrar.

* † ‡ OXFORD UNIV. : UNIV. COLL. *Edwin Arnold Memorial Scholarship* in Oriental Languages and Literature. Open to graduates of Univs. within the British Commonwealth.

Information as to stipend and duties may be obtained from the Master, Univ. Coll., Oxford.

* † THE TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES. *See under* Modern Languages.

Philosophy and Psychology

* † ‡ CAMBRIDGE UNIV. : NEWNHAM COLL. *Sarah Smithson Fellowship* in Psychology or Philosophy (incl. Class. Philos.), £250 p.a. for 3 yrs., tenable at Newnham Coll. Open to graduates of any Univ. Awarded on dissertation or other written work. Applications to the Principal before May 1.

* † ‡ LONDON UNIV. : BEDFORD COLL. FOR WOMEN. *Susan Stebbing Studentship* in Philosophy, £100, normally tenable at Bedford Coll. Awarded every 2 or 3 yrs. as funds permit. Open to graduates of any Univ. Last award 1947.

Further particulars from the Registrar.

6. ECONOMICS AND SOCIOLOGY

* † † BELFAST, QUEEN'S UNIV. *Lockheed Employees' Studentship* in Social Studies, £40 for 1 yr. Open to graduates of Belfast or of another approved Univ. who propose to enter upon the course for the Diploma in Social Studies. Latest date for applications June 20 to the Director of Social Studies

* † † BRISTOL UNIV. *Ernest Taylor Fellowship* for research in a subject related to retail distribution, tenable in the first instance for 3 yrs. in the Department of Economics of the Univ., subject to annual renewal and extension, value £600 for the 1st yr., rising by annual increments of £50 during the period of occupation of the Fellowship to a maximum of £800. Open to graduates of any Univ. who have had either experience of statistical work or research under supervision in a subject within the field of Social Science.

Further particulars from the Secretary and Registrar.

* † † CAMBRIDGE UNIV. : ST. CATHARINE'S COLL. *Kenward Research Fellowship* for research in Industrial Administration, not less than £500 p.a. with accommodation in Coll. and appropriate allowances, normally tenable for 3 yrs. Open to graduates of Univs. within the British Commonwealth and the United States of America.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *See under General*

* † † HARVARD UNIV. *Frank Knox Memorial Foundation*, *see under General*.

* † † LONDON UNIV. (i) *Leon Fellowship for Research*, preferably in the fields of Economics or Education, value not less than £500 p.a., tenable in the first instance for 1 yr. at an approved place of research. It is not essential that candidates should be members of a Univ. Full particulars from, and applications (before April 1) to, the Principal, Univ. of London, The Senate House, W.C.1.

* (ii) *Metcalf Studentship* for women, value £60 for 1 yr., tenable at London School of Economics. Open to any woman graduate of a United Kingdom Univ. for research on some social, economic, or industrial problem approved by the Univ.; preference to a student proposing to study a problem bearing on the welfare of women. Further particulars from, and applications (before May 24) to, the Academic Registrar, Univ. of London, The Senate House, W.C.1.

* † † LONDON UNIV. : BEDFORD COLL. FOR WOMEN. *Lady Huggins Scholarship* in Sociology, value approx £120, open to graduates of approved Univs., normally tenable at Bedford Coll. Awarded from time to time as funds permit. Last award 1946.

Further particulars from the Registrar.

* † † LONDON UNIV. : LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE, Houghton Street, Aldwych, London, W.C.2. The following awards are open to graduates of any Univ. : (i) Two or more *Research Studentships*, £250 p.a., for full-time study, and (ii) two or more *Lever-*

hulme Research Studentships, £50 p.a., for evening study, supplemented in the case of full-time day students by a maintenance grant of £200 p.a.

Both (i) and (ii) are tenable at the School for 1 yr., with possibility of extension to 2 yrs., for the execution of original work in the field of the social sciences. Applications should reach the Secretary by September 6 of each year.

(iii) A limited number of *Bursaries* equivalent to full fees to assist postgraduate students to proceed with research work at the School. Candidates are required to show evidence of financial need. Applications should reach the Secretary by September 6 of each year.

(iv) A *Studentship* for women, £150 p.a., plus fees, tenable for 2 yrs., offered triennially for full-time study at the School for the execution of original work, preferably in Economic History. Next award in 1949.

(v) An *Eileen Power Studentship*, £250 p.a., for 1 yr., awarded biennially by the Eileen Power Studentship Trust for the study of some subject in social or economic history in a country other than the candidate's native land. Next award in 1949. Applications should be forwarded to the Chairman of the Trustees at the School.

Further particulars about these awards from the Secretary.

* † ‡ MANCHESTER UNIV. (1) *Drummond-Fraser Research Fellowship* in Econ. and Commerce. £100 for 1 yr. Open to graduates of any approved Univ. Offered annually. Applns. by June 1

* † ‡ (ii) *Jevons Studentship*, £120 for 1 yr., for investigation of some economic problem connected with the industries of Lancashire. Open to grads. of any Univ. Offered in every 6th yr. Last award 1948

* † ‡ (iii) *Maclaren Cotton Industry Research Scholarship*, £100 for 1 yr. Open to grads. of not more than 3 yrs.' standing, for encouragement of research in a subject bearing upon the cotton industry. Preference to graduates of Manchester. Last date for applns. June 1 in the year of award.

* † ‡ (iv) *Wool Research Scholarship* for research in a subject bearing on wool. £300 for 1 yr., renewable. Last date for applications April 30 in the year of award. These awards are normally tenable in the Univ. of Manchester.

Further particulars from the Registrar.

* † ‡ NOTTINGHAM UNIV. COLL. *Postgraduate Studentships and Research Fellowships*, see under General.

† THE NUFFIELD FOUNDATION. *Dominion Travelling Fellowships*, see under General.

* OXFORD UNIV : WADHAM COLL. *Barnett Senior Scholarship* in Economics or Economic History, value £200-£300 p.a. for 1 or 2 yrs. Open to graduates of United Kingdom Univs.

Further particulars from the Senior Tutor.

7. EDUCATION

* † ‡ HARVARD UNIV. *Frank Knox Memorial Foundation*, see under General.

* † † LONDON UNIV. *Leon Fellowship for Research*, see under Economics and Sociology.

* † † MANCHESTER UNIV. (1) *Advanced Studentship in Education*, normally £150 for 1 yr., renewable, for investigation of some problem approved by the Board of the Faculty of Education. Open to persons who are eligible for admission to the Univ. as candidates for the degree of M.Ed. Date for next offer not fixed.

* † † (ii) *Graduate Bursaries*, not more than 6 annually. Free entry to Teacher's Diploma course. Open to graduates of any approved University.

Further particulars from the Registrar.

* MINISTRY OF EDUCATION, Belgrave Square, London, S.W.1. A limited number of special 1-yr. courses planned to provide advanced work in particular fields of education and intended to equip teachers of experience for more responsible posts, have been arranged for 1948-9 at certain Univs. and other training institutions. Admission will in general be limited to Qualified Teachers of not less than 5 yrs.' teaching service, who are specially selected for their teaching ability and for their capacity to benefit from such a course. A grant up to a maximum of £300 is expected to be available towards the cost of tuition and maintenance, subject to a "student's contribution" based on the teacher's financial circumstances. Teachers should apply to their Local Education Authority for further particulars.

* † † NOTTINGHAM UNIV. COLL. *Postgraduate Studentships and Research Fellowships*, see under General

8. ENGINEERING (General)

* † † BIRMINGHAM UNIV. *Bowen Scholarship* in Engineering, £180-£220 p.a., with remission of tuition and examination fees, tenable for 1 yr. at the Univ. of Birmingham; in special cases where the scholar has shown considerable capacity for research work, the scholarship may be extended for a further yr. Candidates must have spent at least 3 yrs. in the Engineering Department of a Univ. or Univ. Coll. Open to graduates of any Univ. Preference is given to graduates in Engineering. Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries*, see under Applied Science and Technology

* † CAMBRIDGE UNIV. *Rex Moir Studentship* in Engineering, about £280 p.a. for 1 yr. with possible re-election on not more than two occasions; tenable normally at Cambridge, with leave elsewhere. Open to graduates of Univs. within the British Commonwealth.

* † † HARVARD UNIV. *Frank Knox Memorial Foundation*. see under General.

* † † IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General).

* † † MANCHESTER UNIV. (i) *Osborne Reynolds Research Fellowship* for research in Eng. or in sciences most directly related thereto. £200

p a., renewable, normally tenable at the above. Open to graduates of any Univ. Appln. not later than May 1.

* † † (ii) *Joseph Roberts Greatorex Scholarship* for research in Eng., £200 p.a., renewable for a 2nd yr. (value may be increased if funds allow), normally tenable at the above. Open to grads. of Manchester who have subsequently completed at least 1 yr's research in Eng. and to other suitably qualified candidates. Appln. not later than June 20 in the year of award.

Further particulars from the Registrar.

* MINISTRY OF EDUCATION, Belgrave Square, London, S.W.1. *Whitworth Senior Scholarships* (maintained by Sir Joseph Whitworth's Foundation) Two awarded each year, value £325 p.a., tenable for 2 yrs., for a course of further training in industry, or for research work. Open to students under 26 yrs. of age who hold an Engineering degree or recognized Diploma of a Univ. or Coll. of Great Britain or Northern Ireland, or a Higher National Diploma or Certificate in Mechanical or Production Engineering, with at least two distinctions, or who are in the final year of study leading to one of these qualifications. Candidates are required to have been engaged in an engineering works for not less than 24 months, and must submit a thesis to the Ministry, between March 1 and April 1, on one of a group of subjects. Regulations with syllabus obtainable (3d.) from H.M. Stationery Office, Kingsway, London, W.C.2.

THE ROYAL SOCIETY. *Yarrow Research Professorships and Warren Fellowships*, see Science (General).

SCOTTISH UNIVS. *Sir James Caird Travelling Scholarships* in Engineering, etc., see under Awards tenable outside the U.K.

* † † TURNER AND NEWALL FELLOWSHIPS in Engineering, see under Science (General)

9. ENGINEERING (Special Branches)

Agricultural Engineering

* † † DURHAM UNIV. KING'S COLL., Newcastle upon Tyne. (i) *David Brown Scholarship*, £200 p.a. for 2 yrs. Open to graduates in Engineering of any recognized Univ. who have already fulfilled, or have been finally exempted from Military Service obligations. Scholarship holders must engage in full-time study in the postgraduate course in Agricultural Engineering at King's Coll. and in such vacation work as from time to time may be laid down.

* (ii) *Ford Motor Company Scholarship* (2), £180 p.a., tenable for 2 yrs. Open to graduates in Mechanical Engineering of any British Univ. who have already fulfilled or have been finally exempted from Military Service obligations. Scholarship holders must engage in full-time study in the postgraduate course in Agricultural Engineering as may be laid down.

Applications to Registrar, not later than September 15 in each year.

Aeronautics

BUSK TRUSTEES. *Busk Studentship* for research in Aeronautics. Value about £165 p a., tenable for 1 yr. with possible renewal for 2nd yr. Open to British subjects (not of Asiatic or African descent) under 25. Tenable at home or abroad subject to Trustees' approval. Applications to be received by the end of May.

Further particulars from Prof. Sir Melvill Jones, Engineering Laboratory, Cambridge.

* THE ROYAL COMMISSION FOR THE EXHIBITION OF 1851. *See under* Naval Architecture and Marine Engineering, below.

Chemical Engineering

See Science (Special Subjects)

Civil Engineering

LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY.

* † ‡ (i) *British Electric Company Ltd Bursaries* in Hydro-Power Engineering (up to 6 in number), tenable for 1 yr. Open to Honours graduates in Engineering of any Univ. or to those with equivalent qualifications.

* † (ii) *Bursaries* in Concrete Technology (up to 11 in number), tenable for 1 yr., renewable for 2nd yr. Open to graduates in Engineering of a British Univ.

Both (i) and (ii) of the value £200 p a. Further particulars in each case from the Deputy Registrar, City and Guilds College, Exhibition Road, London, S W.7.

Electrical Engineering

* † BIRMINGHAM UNIV. *General Electrical Company Research Studentship* in Electrical Engineering, £300 for 1 yr., renewable; tenable in the Dept. of Electrical Engineering. Candidates should be graduates of a British Univ. and should have adequate experience in an electrical undertaking. In certain circumstances 2 postgraduate scholarships, value £150 p a each, may be awarded instead of the Fellowship.

Further particulars from the Registrar.

Mechanical Engineering

* † BIRMINGHAM UNIV. (i) *Jas. Watt Fellowship* in Mech. Engin., £450, tenable for 1 yr. in the Dept. of Mech. Engin., renewable. Candidates should be Hons. graduates in Engin. of a British Univ., preference to those who have had at least 1 yr.'s experience of postgrad. research.

* † ‡ (ii) *Jas. L. Norton Memorial Studentship*, £180-£200, with remission of tuition and examination fees, tenable for 1 yr. preferably in the Univ., for whole-time study of motor-cycle engin. problems. Open to graduates of any University.

Further particulars from the Registrar.

See also Applied Science and Technol. and Engineering, General.

Mining and Mining Engineering

THE ROYAL SOCIETY. *Tyndall Research Fund, see under Science (General).*

Naval Architecture and Marine Engineering

* THE INSTITUTION OF NAVAL ARCHITECTS, 10 Upper Belgrave Street, London, S.W.1. (i) *Sir William White Postgraduate Scholarship* (part-time) in Naval Architecture (incl. Shipbuilding and Marine Eng.), £150 p.a. for 2 yrs., awarded biennially. Other professional work may be carried on concurrently, subject to Council's approval. Open to British students under 30 yrs. of age who have attained distinction at either the R.N. Coll., Imperial Coll. (City and Guilds Engin. Coll.), Glasgow Univ., King's Coll., Newcastle upon Tyne, or Liverpool Univ., and have had practical experience in shipbuilding or marine eng. work. Holder required to engage in research work at some approved Institution, at home or abroad, where special facilities are available for advanced study in Naval Architecture (in which term are included Shipbuilding and Marine Engineering). Nominations are made by the Governing Bodies of the above instns. to the Council of the Instn. of N.A.

* † ‡ (ii) *Aluminium Development Association Research Scholarship in the Application of Light Alloys to Ship Construction.* £400 p.a. for 2 yrs., awarded biennially. Open to graduates in Applied Science of an approved Univ., and preferably under 30 yrs. of age, who comply with the conditions for admission to the Institution of Naval Architects. Holder required to pursue research at some approved institution, univ., shipyard or works. Forms of applications available from the Secretary, Institution of Naval Architects.

* THE ROYAL COMMISSION FOR THE EXHIBITION OF 1851. *Post-graduate Scholarship* in Naval Architecture to enable British subjects normally under the age of 30 who have shown unusual promise in the study of Naval Architecture, Aeronautics or the Mechanical Sciences to carry out research in problems connected with the design and construction of ships, their machinery or equipment and/or to investigate the development of the shipbuilding and allied industries at home and abroad. Open to candidates qualified in Naval Architecture from R.N. Coll., Greenwich, the Univs. of Glasgow, Liverpool and Durham (King's Coll., Newcastle upon Tyne), and to candidates qualified in Aeronautics or Mechanical Sciences from any Univ. institution in the U.K. The nominations are reported on by the Council of the Institution of Naval Architects.

The value of the Scholarship is £500 p.a., but this may be modified if other awards are held concurrently. Tenable for 2 yrs., and in special circumstances 3 yrs., at any approved institution, firm or establishment at home or abroad. Next award, 1949.

Address to the Secy., Institution of Naval Architects, 10 Upper Belgrave Street, London, S.W.1

10. FISHERIES

* † ‡ DEVELOPMENT COMMISSIONERS, 6A Dean's Yard, Westminster, London, S.W. 1. *Postgraduate Training Grants in Fishery Research*, tenable from Oct. 1, 1948, are offered in association with the Ministry of Agriculture and Fisheries and the Scottish Home Department.

These Grants are intended to enable selected candidates to undergo a specified course of training to fit them for the investigation of problems in marine or freshwater science. The course of training will not, as a rule, be such as to make it possible for the holder of an award to qualify at the same time for a higher degree (Ph.D.). The awards do not carry with them any guarantee of subsequent employment in connexion with fishery research, nor do they entail any obligation to accept such employment; but the training which students will receive should fit them for employment either in the Fishery Research Services of the Ministry of Agriculture and Fisheries and the Scottish Home Department or in a Marine or Freshwater Biological Research Institute.

Applications, to be submitted by a senior member of the candidate's Department in the Univ., should be received by the Development Commission *not later than* June 1. Provisional applications may be made on behalf of candidates who have not yet sat their final examination or who have not yet been informed of the result thereof.

The number of Training Grants to be awarded in 1948 will probably not exceed five. Both men and women are eligible to apply, although women are unsuitable for employment in the marine research services of the Ministry of Agriculture and Fisheries and the Scottish Home Department, which involve sea-going duties. Opportunities for the employment of women may arise, however, in certain of the Marine or Freshwater Biological Institutes.

Candidates must be *British* subjects and graduates with Honours in Science of a Univ. or possess equivalent qualifications.

The value of the Training Grant will depend on the centre at which training is undertaken, but will not normally be less than £260 nor exceed £300 per annum, free of Income Tax. An additional allowance will be made in respect of Univ. fees, etc., compulsorily incurred, and an allowance not exceeding £10 in all for the purchase of approved text-books will also be granted. The Training Grants will be tenable for from 1 to 3 yrs. and will be renewable annually. In some circumstances there may be special allowances for male students who are married.

Forms of application and copies of the Regulations governing the awards may be obtained from the Secretary, Development Commission.

The Commissioners are also prepared to consider applications for additional grants for temporary assistants and for apparatus, etc., to enable members of the staff of a Marine Institution to prosecute special lines of inquiry.

* LIVERPOOL UNIV. *Herdman Scholarship* in Marine Zoology, value £200 for 1 yr., renewable for 2nd yr. Open to grads. of Liverpool or any other U.K. Univ. qualified to carry on research at the Univ. and at the Port Erin or other Biological Station. Applications to the Dean of the Fac. of Science not later than first day of Summer Term.

II. MEDICINE AND SURGERY (General)

* † ABERDEEN UNIV.: *Garden Fellowships* for Medical and Surgical Research, of not less than £200 p a., tenable from 3 to 5 yrs., normally within the University. Open to graduates in Medicine of any British Univ.

Further particulars from the Secretary.

THE ASSOCIATION OF SURGEONS OF GT. BRITAIN AND IRELAND. The *Moynihan Fellowship* has been temporarily suspended

* † BEIT MEMORIAL FELLOWSHIPS FOR MEDICAL RESEARCH Founded in 1909 by Sir Otto Beit, Bart, K.C.M.G., F.R.S., in memory of his brother Alfred, "to promote the advancement by means of research of Medicine and the allied sciences in their relation to Medicine." Open to graduates, men or women, without restriction as to nationality, in any Faculty of a Univ. in the British Empire and tenable at any College, Hospital, Medical School, Laboratory, or other approved place in Great Britain. (i) *Six Junior Fellowships*, each of £600 p a., and usually tenable for 3 yrs., are awarded in July for work commencing in October. An extension to a fourth year at £700 is sometimes granted. Notice of each election is published 3 mos. in advance. Applications are considered by an Advisory Board (ii) *Senior Fellowships* of £900 p a., tenable for 3 yrs., may also be awarded to persons who have already held Junior Fellowships. Address of Sec. to the Trust—Dr. A. N. Drury, F.R.S., Lister Institute, Chelsea Bridge Road, London, S.W.1.

* BRITISH MEDICAL ASSOCIATION, British Medical Association House, Tavistock Sq., London, W.C.1. (i) *The Ernest Hart Memorial Scholarship*, (ii) *The Walter Dixon Scholarship*, annual value of each not more than £200. (iii) 3 other *Research Scholarships*, annual value of each not more than £150.

Each Scholarship is tenable for 1 yr. commencing Oct. 1, with possible reappointment for not more than 2 addnl terms. Open to candidates recommended by the Science Committee as qualified to undertake research in any subject (incl. State Med.) relating to the causation, prevention, or treatment of disease. Preference given to members of med. profession. Scholars may be allowed to hold a junior appointment at a Univ., Med. School, or Hospital. Another scholarship may be held concurrently.

(iv) *The Insole Scholarship* to the value of £250 awarded biennially for research into the causes and cure of venereal diseases. First award to be made in 1948.

Applications for any of the above to be made on prescribed form to be obtained from the Secretary. Closing date for receipt of applications is April 30.

* † CAMBRIDGE UNIV. (i) *Elmore Medical Research Studentships*. Open to male graduates of any Univ. born at any place within the British Empire other than Scotland, for research in medicine, tenable at Cambridge or, with leave, elsewhere, normally for 2 yrs. but may be renewed. Annual value determined by the Board of Managers in each

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case—(1938, £300). Further particulars from the Regius Professor of Physic, Dept of Medicine, Univ of Cambridge.

* † ‡ (ii) *Gwynaeith Pretty Research Studentship*, of £200 for 3 yrs, for research in the Aetiology, Pathology, or Treatment of Disease with particular reference to diseases which disable in childhood or early life, tenable at Cambridge, exceptionally elsewhere. Offered triennially or as casual vacancies occur. Open to graduates of any Univ.

* CARNEGIE TRUST FOR THE UNIVS OF SCOTLAND, *see under General*.

* † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne *Luccock Medical Research Fellowships*, Senior £600 p.a., and Junior £300 p.a., for research in medicine, including dental surgery, tenable at King's Coll. for a period not exceeding 3 yrs. The Senior Fellowships are open to any person who, by publication or otherwise, has proved himself able to carry out original research. Candidates for Junior Fellowships must hold medical, dental, or scientific qualifications.

Further particulars from the Registrar, King's Coll., Newcastle upon Tyne, 1.

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship*, *see under General*.

* † ‡ EDINBURGH UNIV.: *Wharft Research Scholarship* for research in a branch of Medicine specified by the Univ, £250 for 1 yr. plus research expenses allowance not exceeding £50, renewable for a 2nd yr., tenable at the Univ. Open to graduates of any approved Univ. or licentiates of an approved Coll.

Further particulars from the Secretary of the Univ.

* † GROCERS' COMPANY. One scholarship each year for the encouragement of original Medical Research, tenable for 2 yrs., of the value of £350 for 1st yr., and of £400 for 2nd yr. Cost of each scholar's apparatus, etc., will be defrayed up to £150 in any one year. No other scholarship to be held or remunerative employment undertaken without sanction. Open to British subjects under 35 yrs of age. Applications in prescribed form receivable before June 1 by the Clerk, Grocers' Hall, Princes Street, London, E.C.2.

* † ‡ HARVARD UNIV. *Frank Knox Memorial Foundation*, *see under General*.

* † ‡ LONDON UNIV. *Mary Scharlieb Research Studentship* for post-graduate medical research, £250 for 1 yr., renewable for 2nd yr., tenable at a place approved by the Univ. Open to graduates of London or registered medical practitioners. To be awarded from time to time.

* † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship* for research in morbid anatomy, histological anatomy, chemical pathology, protozoology, bacteriology and allied subjects in either zoology, medicine or botany, value about £187 p.a., tenable at a recognized instn. at home or abroad under the general supervision of the Biological Department of the Coll. Award ordinarily for 1 or 2 yrs, but may be indefinitely prolonged. Candidates must be of British nationality.

Further particulars from the Registrar, Imperial Coll., London, S.W.7.

* † ‡ LONDON UNIV.: ROYAL FREE HOSPITAL SCHOOL OF MEDICINE. *Dr. Edith Pechey Phipson Postgraduate Scholarship* in Medicine. £95 for 1 yr. with possible renewal for 2 further yrs. Tenable at any institution approved by the Trustees. Open to all medical women, with preference to those from or going to work in India. Forms of application to be obtained from, and sent in by Feb. 1 each yr to, the Warden and Secretary, 8 Hunter Street, London, W C.1.

* MCCUNN TRUST. *Medical Research Scholarships* (4), for higher study or original research in medicine and allied subjects, £200 p.a., tenable for 1 yr. or more at an approved institution at home or abroad. Open to graduates in Medicine of not more than 5 yrs' standing in a Scottish Univ.

THE MEDICAL RESEARCH COUNCIL, 38 Old Queen St., Westminster, S.W.1, formerly the Medical Research Committee established in 1913 under the Nat. Health Insurance Act, transferred by Royal Charter, 1920, to a Committee of the Privy Council. They apply money voted by Parliament or received from private sources for the furtherance of medical research.

* † ‡ *Research grants* are made to qualified investigators in respect of approved programmes of work to be carried out in Univs, Medical Schools, Hospitals, or other institutions. Grants may be either personal, i.e. to provide remuneration in respect of whole-time or part-time work devoted to particular subjects approved by the Council, or for expenses necessarily incurred in the prosecution of the approved researches.

* In addition, the Council award *Postgraduate Studentships* to enable young medical or science graduates of special promise to receive whole-time training in research methods under suitable direction in recognized institutions. Particulars of the scheme may be obtained from the Secretary at the address given above.

* THE NUFFIELD FOUNDATION, 12-13 Mecklenburg Square, London, W.C.1. (1) *Medical Fellowships* for study or research in child health, industrial health, social medicine and psychiatry, value up to £800 p.a. plus cost of travelling abroad, tenable at any institution approved by the Trustees for periods varying from 6 mths. to 3 yrs. Open to holders of a Univ. degree in Medicine registrable in the U.K. who are normally resident there.

† (ii) *Dominion Travelling Fellowships*, see under General. Further particulars from the Secretary.

* † ROYAL COLL. OF PHYSICIANS OF LONDON, Pall Mall East, London, S.W. 1. (1) *Leverhulme Research Scholarships* (2), awarded jointly with the Royal Coll. of Surgeons, tenable for from 1 to 3 yrs. at any institution, preferably in the U.K., where full facilities for research are available. Open to British subjects not less than 25 yrs. of age.

* † ‡ (ii) *Streatfield Scholarship*, awarded jointly with the Royal College of Surgeons, approximately £250 p.a. for from 1 to 3 yrs., for research in Medicine or Surgery, tenable at an approved institution. Open to qualified applicants of any nationality.

* † ‡ (iii) *Saltwell Research Fellowships*, £650 p.a., tenable at an

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approved institution for research of any type, including clinical, epidemiological or laboratory studies in connexion with cancer, rheumatism, malaria or morbid conditions of the prostate gland. Open to qualified applicants of any nationality

* † (iv) *Will Edmonds Clinical Research Fellowship*, £500, for clinical research on any disease usually treated in a general hospital (excluding tropical or rare diseases), tenable for from 1 to 5 yrs., in a general hospital in the metropolitan area of London. Open to registered medical practitioners of the British Commonwealth who are not engaged in private practice

Further particulars from the Assistant Registrar.

* ROYAL COLL. OF PHYSICIANS, Edinburgh: (i) *Freeland Barbour Fellowship*, value about £100, awarded biennially; next award May 1949. Open to those who have done original work for the most part in the two preceding yrs. in the Laboratory of the Royal Coll.

(ii) *Lister Fellowship*, value about £100, awarded biennially, last award May 1948. Open to licentiates or graduates in Med. or Surg. for original research carried on for the most part during the two preceding yrs. in the Laboratory of the Royal Coll.—preference to research in Bacteriology.

* † ROYAL COLL. OF PHYSICIANS OF LONDON AND ROYAL COLL. OF SURGEONS OF ENGLAND. *Mackenzie Mackinnon Research Fellowship* for scientific medical investigation in any laboratory approved by the joint committee. For 1-3 yrs. Open to holders of med. qualification registrable in Gt. Britain or Ireland, or of a Univ. degree, nominated by a Med. School. Application to Secretary, Royal Coll. of Surgeons, Lincoln's Inn Fields, London, W.C.2.

ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W. C. 2.

* † (i) *Arthur Sims Commonwealth Travelling Professorship*, £2000 p.a. A Commonwealth Professor will be appointed annually and will generally be a prominent physician, surgeon or scientific worker resident in Gt. Britain or in Australia or New Zealand. A distinguished teacher from one of the other Dominions may be elected. He will be required to travel from the country where he is normally resident to Gt. Britain, or to Australia and N.Z., or to any other Dominion of the British Commonwealth, for the purpose of assisting in the advancement of medical science either by lecturing, teaching or engaging in research.

It is the hope of the donor, Mr. Arthur Sims of Christchurch, N.Z., that the institution of the Professorship will not only lead to the establishment of closer links between scientific workers in the Dominions and in the older seats of learning and centres of research, but that the people of all nations will benefit.

The appointment is made by the Royal Coll. of Surgeons of England on the nomination of the President, who is Chairman of an Advisory Board consisting of the Presidents of the Royal Coll. of Physicians of London, the Royal Coll. of Surgeons of England, the Royal Australasian Coll. of Physicians and the Royal Australasian Coll. of Surgeons.

* † ‡ (ii) *Bland-Sutton Research Scholarship*, £500 p.a., for research

in a medical or surgical subject, tenable for 1-3 yrs. at the Bernhard Baron Laboratories of the Royal Coll. Open to qualified graduates of any Univ.

* † (iii) *Leverhulme Research Scholarships* (2), £400 p.a. plus £100 for expenses, for research in some biological or clinical problems of disease in man, either at the Buckston Browne Surgical Research Farm, Downe, Kent, or at the Coll. Laboratories, tenable for 1 yr., renewable. Open to British subjects holding a med. qualification registrable in the U K. or a Univ. degree.

* † (iv) *Mackenzie Mackinnon Research Fellowship*, awarded jointly with the Royal Coll. of Physicians, for scientific medical investigation in any laboratory approved by the joint committee, tenable for 1-3 yrs. Open to holders of a med. qualification registrable in the U K., or of a Univ. degree, who are nominated by a medical school.

Further particulars in each case from the Secretary

ROYAL SOCIETY *Foulerton Research Fund* and *E. Alan Johnston Lawrence and Mosely Research Fellowship*, see under Science (General).

* † ROYAL SOCIETY OF MEDICINE. (i) *William Gibson Research Scholarship* in Medicine, £290 p.a. for 2 yrs., renewable for a third yr. Awarded from time to time to qualified med. women who are British subjects. Unrestricted travelling allowed for purposes of research undertaken. Tenable within the British Empire.

* † (ii) *Nichols Fellowship* for research relating to etiology, pathology, prevention or treatment of puerperal sepsis. The Fellowship is offered triennially and is of 2 yrs.' duration. Open to qualified British subjects. The research must be carried out in an approved institution providing suitable facilities. The emoluments are an honorarium of £200 p.a. and a grant of £25 for expenses or such sums as may be decided upon by the Council of the Royal Society of Medicine. Applications to the Secretary, 1 Wimpole Street, London, W.1.

* † † SHEFFIELD UNIV. *J. G. Graves Medical Research Fellowship*, about £200 p.a., tenable for 3 yrs. with possibility of renewal for not more than 2 yrs., for full-time original research in any branch of medicine approved by the Faculty of Medicine and carried out in one of the departments of the Univ. or in a teaching hospital associated with it. Open to graduates of any recognized Univ.

Further particulars from the Registrar.

12. MEDICINE AND SURGERY (Special Subjects)

Anatomy

* † LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plummer Fellowship*, see under Medicine and Surgery (General)

* † † MANCHESTER UNIV. *Morrison Watson Fellowship* in practical and descriptive anatomy, £150 p.a. and occasionally more; renewable for 2nd yr., normally tenable at the above. Open to persons with a

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medical qualification registrable in the U.K. or a degree of an approved Univ. Applns. not later than June 1.

Further particulars from the Registrar.

Bacteriology

* † ABERDEEN UNIV. : *Georgina McRobert Research Fellowship*, see under Medicine and Surgery (Special Subjects—Cancer).

‡ LIVERPOOL UNIV. *John W. Garrett International Fellowship* in Bacteriology, about £400 for 1 yr., offered annually, renewable for 2nd yr. Failing a candidate in Bacteriol., the Profs. of Pathol. and Physiol. shall be invited to nominate a candidate. Open in the first place to members of Univs. and Med. Schools in the U S A, and of other foreign Schools. Except with the permission of the Senate, research must be carried out in the Univ. or in hospitals or in other institutions approved by the Fac. of Med. Applications to be sent to the Dean of the Fac. of Med. not later than June 30.

* † LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship*, see under Medicine and Surgery (General).

* † LONDON UNIV. : LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Road, London, S.W. 1. *The Jenner Memorial Research Studentship*, £250 for 1 yr. with possible extension for 2nd yr., tenable at the above Institute. Open to British subjects. Vacancies advertised in medical journals.

* ROYAL COLL. OF PHYSICIANS, Edinburgh. *Lister Fellowship*, see Medicine and Surgery (General).

Biochemistry

See Science (Special Subjects).

Cancer

* † ABERDEEN UNIV. : *Georgina McRobert Research Fellowship* for encouraging the investigation of the cause, prevention and treatment of cancer, £900 p.a., tenable at the Univ. in any one of the following fields—Bacteriology, Biochemistry, Biology, Chemo-therapy, Clinical Science, Pathology, Physics. Open to graduates in Medicine of any British University. The appointment is subject to annual renewal for 5 yrs. with possibility of extension. The successful applicant will come under the Federated Superannuation System for Univs.

Further particulars from the Secretary.

* † ‡ BELFAST, QUEEN'S UNIV. : *John Dunville Research Fellowship* in Experimental Pathology, £350-£500 p.a. for 3 yrs., tenable at Queen's Univ. Open to graduates of any Univ. The primary object of the Fellowship is to advance the knowledge of cancer, more especially as regards its nature, causation, prevention or cure. The conditions of the Fellowship are under revision.

THE BRITISH EMPIRE CANCER CAMPAIGN was founded in May 1923 to co-ordinate and support research into the causation, distribution, symptoms, pathology and treatment of cancer. The governing body of the Campaign is the Grand Council, which has distinguished representation in both the medical and lay fields. It is assisted by various expert committees, including a Scientific Advisory Committee, the members of which are appointed jointly by the Royal Society, the Medical Research Council and the Campaign. It relies entirely on voluntary public support for its funds, and makes grants, on application, both to institutions and individuals, for schemes of cancer research which have been approved by the Grand Council. In the year 1947 these grants totalled over £100,000. *General Secretary*. Capt F. B. Tours, O.B.E., R.N. (ret.), 11 Grosvenor Crescent, Hyde Park Corner, London, S.W.1.

LEEDS UNIV. *Cancer Research Fellowships* given through Yorkshire Council of the British Empire Cancer Campaign. 5 in number, value not exceeding £500. Tenable in the Univ. of Leeds for 1, 2, or 3 yrs., renewable. Vacancies announced as they occur.

* † ‡ LONDON UNIV. *Laura de Saliceto Studentship* for advancement of Cancer research, value £150 for 2 yrs., renewable by annual reappointment for total of not more than 5 yrs., normally tenable in a School of the Univ. Open to both sexes. The Studentship is a part-time appointment and may be held in conjunction with a physiol. or pathol. laboratory appointment or a clinical appointment affording special opportunities for study of Cancer. Vacancies in the Studentship will be advertised in the public press. Applications before July 1 of year of appointment. Further particulars from the Academic Registrar, Univ. of London, The Senate House, W.C.1.

* † ‡ MANCHESTER UNIV. *Pilkington Fellowship* in Cancer research. £300 p.a., renewable for 2nd yr. or more, normally tenable at the above. Open to graduates in Med. or Surg. of any approved Univ. or Med. School, or to members or Fellows of the R. Colls of Surgeons of England, Edinburgh, or Ireland, or Licentiates, Members or Fellows of the R. Colls. of Physicians of London, Edinburgh, or Ireland. Applns. by June 30.

Further particulars from the Registrar.

* † ‡ ROYAL COLLEGE OF SURGEONS, Lincoln's Inn Fields, London, W.C. 2. *Prophat Studentships* (2) £500 p.a., with a possible additional grant of £200 towards travelling expenses, are awarded by Special Trustees on the recommendation of the Royal Coll. for research in cancer at any approved institution; tenable in the first instance for 1 yr., renewable up to a maximum of 5 yrs. Open to qualified graduates of any Univ.

Further particulars from the Secretary.

Diseases of Children

* † ‡ LIVERPOOL UNIV. *Ridgway Research Scholarship*, value about £400, tenable for 1 yr., renewable for a 2nd yr., for research in some

branch or branches of Tuberculosis or crippling diseases of children. The Fellow must be a graduate in Med. of an approved Univ. (or hold a registrable qualification). Except with the permission of the Senate, research must be carried out in the Univ. or in hospitals or other institutions approved by the Faculty of Med. Application, stating academic career and subject of proposed investigation, to be sent to the Dean of the Fac. of Med. not later than June 30.

* † † MANCHESTER UNIV. *Ashby Memorial Research Scholarship* in diseases of children. £100 offered triennially, normally tenable at the above. Open to any Med. practitioner registrable in England Next award 1949, last day of entry June 30

Further particulars from the Registrar.

Neurology and Psychiatry

* † † HENDERSON TRUST *Henderson Research Scholarship*, £750 p.a. for 1 yr., renewable for 2nd or 3rd yr., for study and research in nervous and mental disorders. The work may be clinical, pathological, psychological, or sociological and be carried out, preferably, in or near Glasgow. Open to fully qualified med. practitioners of either sex, holding a degree or other qualification of a British Univ., Coll. or School of Med., or to persons who have devoted themselves to the care of, or been specially interested in, mental defectives. Candidates must have shown capacity for original research. Other qualifications being equal, preference will be given to a Scottish applicant. Applications to James G. Moffat, C.A., Secretary to the Trustees, 190 West George St., Glasgow, C.2

* † † MANCHESTER UNIV. *Knight Fellowship* for study of the factors concerned in development of symptoms of mental disturbance. £150 offered triennially, normally tenable at the above. Open to grads. of any Univ. Next offer 1949. Applns. not later than June 1.

Further particulars from the Registrar.

Obstetrics and Gynaecology

* † † WALES, UNIV. OF: WELSH NATIONAL SCHOOL OF MEDICINE. *Ewen Maclean Research Scholarship* in Obstetrics and Gynaecology, £150 for 1 yr., tenable at the Welsh National School of Medicine. Open to graduates of any approved Univ. or qualified med. practitioner. Applications to the University Registry, Cathays Park, Cardiff.

Ophthalmology

* † MOORFIELDS, WESTMINSTER AND CENTRAL EYE HOSPITAL. *Cruise Clinical Research Scholarship*, £100, awarded annually, tenable at the Westminster Branch, High Holborn, London, W.C.1. Open to British subjects.

Further particulars from the Dean, Univ. of London Ophthalmic Institute, Moorfields, Westminster and Central Eye Hospital, City Road, London, E.C.1.

Orthopaedic Surgery

* † † ROYAL COLL. OF SURGEONS and UNIV. OF LIVERPOOL and LIVERPOOL MEDICAL ASSOCIATION. *Robert Jones Travelling Research*

Fellowship in Orthopædic Surgery, £250 p.a., tenable for 1 yr., of which 6 mths. must be spent abroad, is awarded once every 4 yrs. alternately by (a) the Univ. of Liverpool and the Liverpool Medical Institution jointly, and (b) the Royal Coll. of Surgeons of England.

Further particulars from the Secretary, Royal Coll. of Surgeons, Lincoln's Inn Fields, London, W.C.2.

Pathology

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship*, see under Medicine and Surgery (Special Subjects—Cancer).

* † BELFAST, QUEEN'S UNIV. *Musgrave Research Studentships*. See Science (General).

* † ‡ CAMBRIDGE UNIV. (i) *John Lucas Walker Studentship* in Pathological research, not exceeding £500 p.a. for 3 yrs., offered triennially or as casual vacancies occur, tenable at Cambridge, exceptionally elsewhere. Open to graduates of any Univ.

* † ‡ (ii) *Pinsent-Darwin Studentship* in Mental Pathology, not exceeding £250 for 3 yrs. Conditions as for (i) above.

* † ‡ THE LADY TATA MEMORIAL TRUST grants and scholarships. See under Science (General).

‡ LIVERPOOL UNIV. *Garrett International Fellowship*. See Bacteriology.

* † ‡ LONDON UNIV. *Charles Graham Medical Research Fund* A Scholarship in Pathology, value not exceeding £400 p.a. for 2 yrs., is awarded from time to time "to enable a young man to continue his pathological researches, and at the same time to secure his services to the School of Advanced Medical Studies connected with Univ. College Hospl. as a Teacher under the direction of the Prof. of Pathology." Applicants should give names of 3 referees, including a Teacher of the Univ. or Coll. in which he has conducted his studies in Pathology. The Scholar is required to undertake teaching as well as research work. Applications to the Academic Registrar.

* † LONDON UNIV : IMPERIAL COLL OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship*. See under Medicine and Surgery (General).

* † ‡ OXFORD UNIV. *Philip Walker Studentship* for Research in Pathology, £200 p.a., tenable for 3 yrs. Open to graduates of any Univ.

* † ‡ SOCIETY OF APOTHECARIES OF LONDON. *Gillson Scholarship* for the encouragement of original research in any branch of Pathology, £105 p.a., tenable at an approved institution for 1 yr., renewable for not more than a total of 3 yrs., normally awarded in January. Open to candidates under 35 yrs. of age who (a) are either Licentiates or Freeman of the Society, or (b) obtain the Licence or the Freedom within 6 months of election to the scholarship.

Further particulars from the Registrar, Apothecaries' Hall, Black Friars Lane, Queen Victoria St., London, E.C.4.

Physiology

* † † INSTITUTE OF CHILD HEALTH, Hospital for Sick Children, Great Ormond St., London, W.C.1 *Cow and Gate Fellowship* for research in the physiology and metabolism of infancy, £1000 p.a., tenable for 7 yrs at the Institute Date of next award uncertain.

Further particulars from the Secretary.

* † † LONDON UNIV. . KING'S COLL., Strand, London, W.C.2 *Beridge Studentship* in Physiology of £100 p.a for 2 yrs. Candidates, who may be graduates of any Univ., must submit not later than September 1 a statement giving the plan of work they intend to pursue and the amount of time to be devoted to it. They must also give references to their previous training and capacity for research, and, if appointed, take up the studentship in the following October.

Further particulars from the Registrar.

* † † MANCHESTER UNIV. *Sybil Mary Pilkington Fellowship* for research into diseases of the blood with particular reference to the causation, treatment and cure of leukaemia in man. £400 p.a., renewable for 2nd yr. or more, normally tenable at the above. Open to persons who have obtained a medical qualification registrable in the U.K., the Dominions or any other country Last date for applications June 1 in the year of award.

Further particulars from the Registrar.

Preventive Medicine

* † † MANCHESTER UNIVERSITY. (i) *Sheridan Delépine Research Fellowship* in Preventive Medicine, £300 annually, normally tenable at the above. Open to graduates in Med. of any approved Univ. or to med. practitioners with approved registrable qualifn. Next offer 1949. Applns. by June 1.

* † † (ii) *Dr. Robert Angus Smith Scholarship*, £150 for 1 yr., renewable, normally tenable at the above For encouragement of research in Sanitary Science. Next offer probably 1949. Last date for applns., June 1.

Further particulars from the Registrar.

Rheumatism

* † † BRISTOL UNIV. *Sidney Robinson Fellowship* for research into Rheumatism, tenable at the Royal National Hospital for Rheumatic Diseases, Bath. Value £500 p.a. which may be increased in an exceptional case. In addition a small annual sum may be made available for the payment of a laboratory assistant and running expenses. Tenure, 1 yr., with a possible extension for a further 2 yrs.

The appointment is made by the Univ. after consultation with the donor and the Hospital authorities, and the subject to be investigated is determined by the Univ. after consultation with the Empire Rheumatism Council.

The Fellow will be a member of the Univ. staff and will be required to undertake some teaching duties, but his work will be mainly carried

out at the Hospital under the supervision of the Head of the Department. He will, subject to the approval of the physicians, have access to the Hospital records and will be required to report to the Univ. at least annually.

Further particulars from the Secretary and Registrar.

* THE NUFFIELD FOUNDATION, 12-13 Mecklenburg Square, London, W.C. 1, offers an award to enable a selected candidate to undertake advanced study on the subject of chronic rheumatism, £500-£800 p.a. plus cost of travelling abroad, tenable at any approved institution for 1-2 yrs. Open to graduates of United Kingdom Univs. who have completed 1 yr. in general hospital practice.

Further particulars from the Secretary.

Tropical Medicine and Hygiene

LONDON UNIV.: LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C. 1.

* † ‡ (i) *Wandsworth Scholarship* for research in Trop. Med. and Hygiene, £350 p.a., plus overseas allowance, for 1, 2 or 3 yrs. Preference given to a British subject.

* † ‡ (ii) *Tropical Diseases Research Fund*. This fund exists for the purpose of research work at home or abroad by the School in connexion with investigation into tropical diseases. Capital £27,000; income available about £1000 p.a. Grants both of capital and income are applied to specific research in trop. diseases from time to time.

* † ‡ (iii) *Edward John Stanley Memorial Fund* (1909). Founded by the late Lord and Lady Sheffield. Capital £1700; the accumulated income is applied periodically, at the discretion of the Board of Management, in aid of specific pieces of research in trop. diseases.

* † ‡ (iv) *Avebury Memorial Fund*. Income approximately £80 p.a. for the creation of studentships or the making of grants for special research work in the subject of Entomology.

* † ‡ (v) *Andrew Balfour Memorial Fund*. Available for the payment, or partial payment, of fees for a student wishing to attend an organized course of study in the School (usually the Diploma in Tropical Medicine and Hygiene course) but unable to do so for financial reasons.

* † ‡ (vi) *Mansfield Aders Scholarships*. A reserve fund, arising out of a bequest by Dr. Walter Mansfield Aders, Economic Biologist to the Government of Zanzibar, who died in 1934, is provided for grants towards work in Entomology or Parasitology.

Further particulars may be obtained from the Assistant Dean.

Tuberculosis

* † ‡ LIVERPOOL UNIVERSITY. For *Ridgway Research Scholarships*, see under Diseases of Children.

* † ‡ WALES, UNIV. OF. WELSH NATIONAL SCHOOL OF MEDICINE. *Cecil Prosser Research Scholarship* in Tuberculosis, £250 for 1 yr., tenable at the Welsh National School of Medicine. Open to graduates of any

approved Univ. or qualified med. practitioner. Applications to the University Registry, Cathays Park, Cardiff.

13. PSYCHICAL RESEARCH

* † ‡ CAMBRIDGE UNIV : TRINITY COLL. *Perrott Studentship*, £300 p.a. or such small sum as the Electors may award for the study of Psychical Research, which is defined for the purpose of this studentship as "the investigation of mental or physical phenomena which seem *prima facie* to suggest (a) the existence of supernormal powers of cognition or action in human beings in their present life, or (b) the persistence of the human mind after bodily death." The studentship is awarded at intervals of not more than 3 yrs if a satisfactory candidate is forthcoming. Any man or woman student may be a candidate who has completed his or her 21st yr. at the time when the election takes place, but the studentship will in no case be awarded to a candidate, other than a graduate or titular graduate of the Univ. of Cambridge, until he or she has had a personal interview with the Electors. Public notice of a forthcoming election is given at least 3 months before the time at which the election will take place.

14. SCIENCE (General)

* † ABERDEEN UNIV. *Robbie Scholarships* in Chemistry, Mathematics or Natural Philosophy, maximum value of £300 p.a. for 1 yr., tenable within the Univ. Open to graduates of any British Univ who are Protestants.

Further particulars from the Secretary.

* † ‡ BEIT FELLOWSHIPS FOR SCIENTIFIC RESEARCH. Founded by the late Sir Otto Beit, Bart., K.C.M.G., F.R.S., in 1913 for advancement of Science by means of research. At present £400 p.a. for 2 yrs. subject to report at end of 1st yr. Tenable at Imperial Coll. of Sc. and Tech., London, under supervision of a Prof. Fellows are required to devote their whole time to their research and to hold no appointment, paid or unpaid, without sanction of the Trustees. Open to men or women under 25 yrs. of age, of European descent by both parents, who have taken a degree in any Univ. in the British Empire, or Diploma or Associateship of any Coll. approved by the Trustees. Not open to holders of any other Scholarship or Fellowship. Elections, advertised 3 mos. in advance, are made annually in July. Applications should give full information as to qualifications, previous career, general character of proposed research, whether applicant has private means sufficient to carry on the research for 2 yrs. without aid of Fellowship, names of not more than 3 referees, including one on the staff of the Univ. or Coll. or a Coll. of the Univ. at which the degree, etc., was obtained. Testimonials should not be sent. Capacity for research, personal record, and importance of proposed research will be taken into consideration. Inquiries may be addressed to the Rector of the Imperial Coll., South Kensington, London, S.W.7.

* † BELFAST, QUEEN'S UNIV. *Musgrave Research Studentships*, 3 of £200 each, tenable for 1 yr. at Belfast, open to British subjects, graduates

of at least 1 yr.'s standing in a Univ. of the British Empire, for research in 1949 in *Pathology, Biology and Physics*. Latest date for applications (10 copies and not more than 2 testimonials as to fitness for research)—June 1, 1949, to the Secretary of the Academic Council.

* **BRITISH COTTON INDUSTRY RESEARCH ASSOCIATION.** *Shirley Fellowships* for training in research methods in Pure Science, especially in those branches of prime interest to the Association. Value not less than £200 p.a., tenable at approved Univ. institutions in the United Kingdom. Open to graduates of U.K. Univs. who are of British nationality.

Applications should be made, through the Professor under whom the candidate proposes to work, to the Director of the Association, Shirley Institute, Didsbury, Manchester, not less than two months before the candidate desires to commence work

* † ‡ **CAMBRIDGE UNIV.** (i) *Imperial Chemical Industries Fellowships* in Physics, Chemistry, Engineering, Metallurgy, Pharmacology, Chemotherapy, Physical Chemistry, Biochemistry, Colloid Science, £600 p.a. for 3 yrs., renewable, tenable at Cambridge and also at the Univs. of Durham, Leeds, London, Manchester and Edinburgh.

Applications should be lodged with the Registrar or Secretary of the Univ. at which it is desired to hold the Fellowship by April 30.

(ii) *Gordon Wigan Fund*, £370 p.a., for scientific educn or research.

* **CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND.** See under General

* **THE DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH**, Park House, 24 Rutland Gate, London, S.W. 7, makes grants to research workers, engaged mainly in Univs. and Colls., under the following headings. (a) *Maintenance allowances* to students to enable them to undergo training in research; (b) *Senior Research Awards* (strictly limited in number) to enable young investigators of exceptional promise and proved capacity to devote their whole time to original research; (c) *Grants* to investigators of acknowledged standing to enable them to develop lines of research of exceptional timeliness and promise.

The scheme of grants to research workers and students is designed to meet the need for a larger number of trained scientific investigators for industrial research and for Government research, and is intended to supplement existing provision for postgraduate research. The grants are restricted in all cases to British subjects resident in Great Britain. Full particulars are given in the pamphlet, *Notes on Grants Awarded by the Department of Scientific and Industrial Research to Research Workers and Students*, obtainable from H.M. Stationery Office, York House, Kingsway, London, W.C.2, price 3d.

* † ‡ **DURHAM UNIV.** (i) *Imperial Chemical Industries Fellowships*, see under Cambridge Univ. above.

(ii) *Turner and Newall Fellowships* for research in Engineering, Inorganic Chemistry or Physics, or in an allied science, normally £600 p.a. for 3 yrs., renewable up to 3 further yrs., tenable in the Durham Colls. or King's Coll., Newcastle upon Tyne, and also in the Univs. of

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Leeds, London and Manchester. Open to men and women graduates of any Univ. qualified to undertake research.

* † ‡ Applications to the Registrar (for London, the Academic Registrar) of the Univ. at which it is desired to undertake research by April 30.

* † ‡ DURHAM UNIV. : THE DURHAM COLLS. *Research Fellowship in Pure Science*, £600 for 2 yrs., renewable for a further yr. ; tenable in the Faculty of Pure Science. Open to graduates of any Univ , preferably with research experience. Available in 1948

* † ‡ EDINBURGH UNIV. (i) *Dewar Research Fellowship*, £450-£550 p.a. for 3 yrs. Open to graduates of any Univ. The holder must himself engage in research in Chemistry, or in Physics, or preferably in a field common to these subjects at Edinburgh Univ., and must direct the research of postgraduate students in the subject of his own researches. He may also be invited to deliver annually a short course of lectures in his field of study

* † ‡ (ii) *Imperial Chemical Industries Fellowships*, see under Cambridge Univ., above.

* † ‡ (iii) *Richard Brown Scholarship*, see under General.

* † ‡ EXETER UNIV. COLL. OF THE SOUTH-WEST OF ENGLAND. *Andrew Simons Graduate Scholarship in Science*, £124 p a , generally awarded as one or two scholarships, tenable at the Coll. and restricted in the first instance to graduates of the Coll. Failing suitable candidates, it may be awarded to graduates of any recognized Univ.

Further particulars from the Registrar.

* † ‡ HARVARD UNIV. *Frank Knox Memorial Foundation*, see under General.

* † ‡ HULL UNIV. COLL. *Research awards*, £250 p a. for 1 yr in the first instance, renewable for a 2nd yr Open to graduates of any Univ. holding a good honours degree. Successful applicants will be required to assist in demonstrating to students.

Further particulars from the Registrar.

* † ‡ THE LADY TATA MEMORIAL TRUST. Founded by the late Sir Dorabji Tata of Bombay as a memorial to his wife, the late Lady Tata. Provision is made for the award of research scholarships, prizes, or grants. The Trustees are advised by a Scientific Advisory Committee having its headquarters in London and by an Indian Committee in Bombay. One-fifth of the net annual income is earmarked for the encouragement of scientific research by Indians in India or abroad, and the rest is to be used to assist research on diseases of the blood, with special reference to leukaemia : the assistance may take the form of grants, scholarships, or prizes, and the awards are open to persons of any nationality and in any country. Further particulars about the international awards may be obtained from the Secretary of the Scientific Advisory Committee of the Trust, 38 Old Queen Street, London, S.W.1. Candidates for the special awards to Indians should apply direct to the Secretary of the Trust, Bombay House, Bruce Street, Fort, Bombay.

* † ‡ LEEDS UNIV. (i) *Henry Ellison Senior Fellowships* for the promotion of research in pure and applied Chemistry and in Physics in the Univ., £300 p.a., normally tenable for 1 yr. Open to graduates of any Univ.

* † ‡ (ii) *Imperial Chemical Industries Fellowships*, see under Cambridge Univ. above.

* † ‡ (iii) *Turner and Newall Research Fellowships*, see under Durham Univ. above.

Further particulars from the Registrar.

* † ‡ LONDON UNIV. (i) *Dixon Fund for assisting Scientific Investigations*. Income available for grants—about £250. Applications receivable by the Academic Registrar (from whom further particulars can be obtained) not later than March 31, July 31 and Nov. 30 in each year. Full information required as to nature and objects of research proposed, estimated amount required (detailed estimate to be given), any previous grant received for same object, any apparatus of permanent value needed. Names of two referees to be given. Grants are made from the fund three times yearly by the Senate for purchase primarily of apparatus and materials of a special nature to be used in scientific investigation. Instruments and specimens of permanent value purchased out of grants to be returned to the Univ. Published results of researches must contain a reference to the Fund, and 2 copies be supplied to the Univ. Preference given to applicants who are graduates of the Univ. or who undertake to work in a Dept. or School of the Univ. or other Instn. connected therewith.

* † (ii) *Keddey Fletcher-Warr Studentships* for Postgraduate Research in Science to be conducted in the British Isles or other approved place. Value not less than £200 p.a. for 3 yrs., renewable. Open to men and women of European descent who are graduates of some British Univ. or have qualified for such graduation, but preference is given, other things being equal, to a graduate of London of small or no private means. Awardable from time to time as notified in the public press.

* † ‡ (iii) *Imperial Chemical Industries Fellowships*, see under Cambridge Univ. above.

* † ‡ (iv) *Turner and Newall Research Fellowships*, see under Durham Univ. above.

Further particulars in each case from the Academic Registrar, Univ. of London, Senate House, W.C. 1.

* † ‡ MANCHESTER UNIV. (i) *Imperial Chemical Industries Fellowships*, see under Cambridge Univ. above.

* † ‡ (ii) *Turner and Newall Research Fellowships*, see under Durham Univ. above.

* † NOTTINGHAM UNIV. COLL. (i) *Carr Scholarship* for research in Geology, Botany or Entomology, £200 p.a., tenable at the Univ. Coll. for 1 or 2 yrs. Open to graduates of Univs. in Gt. Britain and Ireland and of British Univs. overseas.

* † ‡ (ii) *Postgraduate Studentships and Research Fellowships*, see under General.

Further particulars from the Registrar.

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† THE NUFFIELD FOUNDATION. *Dominion Travelling Fellowships*, see under General.

* † THE ROYAL COMMISSION FOR THE EXHIBITION OF 1851 offers : (i) *Science Research Scholarships for Overseas Universities* (10), to enable selected students who have already completed a full Univ. course and given sufficient evidence of capacity for scientific investigations to devote themselves for 2 yrs. to research work under conditions most likely to equip them for practical service in the scientific life of the Empire. Value, £350 p.a., with supplements in certain cases. Tenable ordinarily for 2 yrs., and in exceptional cases for 3 yrs., at any institution approved by the Commrs., but not, except in very special circumstances, in the country in which the scholar has received his scientific education ; open to British subjects of age (except in very special circumstances) under 26 years. At present 10 (Canada 3, Australia 2, S. Africa, N.Z., Eire, and India and Pakistan, 1 each) are offered annually ; recommendations receivable (Eire, India and Pakistan, May 1) (Australia, N.Z., South Africa, Canada, June 1) from the following Univs. : Alb., B.C., Dal., Mc.G., Mani., Queen's (Ont.), Sask., Tor., and any of the Univs. of Australia, N.Z., S. Africa, India and Pakistan possessing postgraduate departments of science. A Scholar is not permitted to hold any position of emolument likely to conflict with the devotion of his whole time to the objects of the Scholarship, nor to accept any additional emoluments without the previous consent of the Commrs. Women are eligible on equal terms.

* (ii) *Senior Studentships* (4), each of £500 p.a. with supplements in certain cases, for 2 yrs. or, in special cases, for 3 yrs. ; open to British subjects not (except in very special circumstances) more than 30 yrs. of age, on recommendation, receivable up to May 1, by Profs. and Heads of Depts. through the executive authorities of such Univ. and other Institutions as may be invited by the Commrs. to nominate ; tenable at any Institn. at home or abroad approved by the Commrs. The student is not permitted to undertake any work likely to conflict with the devotion of his whole time to the objects of the studentship, but a limited amount of time may, with the approval of the Commrs., be spent in delivering an advanced course of lectures. He is not debarred from holding another position of emolument, but in such cases the Commrs. may modify the value of the studentship. Women are eligible on equal terms.

Address of the Secy. to the Commrs., 1 Lowther Gardens, Exhibition Rd., London, S.W.7.

* † † THE ROYAL INSTITUTION. (i) *Dewar Research Fellowship*, £800 p.a., for the furtherance of research in a subject related to the chemical or physical sciences at the discretion of the Managers of the Institution, tenable at the Davy Faraday Research Laboratory of the Institution, London, for 3 yrs., renewable for a further 2 yrs. Open to graduates of any Univ.

† (ii) *Science Research Scholarship*, £350 p.a., plus possible grants towards travelling expenses and fees, for research in any branch of the physical sciences for which facilities are available in the Davy Faraday

Research Laboratory, London ; tenable for 2, and in exceptional cases, 3 yrs. Open to British subjects under the age of 26 from Canada, Australia, N.Z. and S. Africa who are concurrently recommended for the Science Research Scholarships for overseas scholars offered by the Royal Commission for the Exhibition of 1851. Scholars may not hold additional emoluments without the permission of the Managers of the Royal Institution, and must state their desire to be considered for a Royal Institution Research Scholarship on their application form for an 1851 Scholarship

Further particulars from the General Secretary, 21 Albemarle Street, London, W.1.

THE ROYAL SOCIETY, Burlington House, Piccadilly, London, W.1.

(i) *Foulerton Research Fund.* (a) *Research Professorships*, with stipend £1400-£1700 p.a. *Duties* : To conduct, in a place approved by the President and Council of the R.S., such original researches in medicine or the contributory sciences, on lines approved of by the President and Council, as shall be calculated to promote the discovery of the causes of disease and the relief of human suffering. The Professors shall devote the whole of their time to research. Tenable for 5 yrs. in the first instance, the appointment being thereafter renewable for further periods of not more than 5 yrs. at a time. * † (b) *Research Fellowships* of £850-£900 p.a., restricted to British subjects. *Duties* : To conduct, at any hospital or medical school in the British Isles, or other place approved by the Council of the R.S., researches in medicine or the contributory sciences, under the supervision and control of the Foulerton Research Fund Management Committee, to whom the Fellows will be required to report from time to time on the progress of their work. Tenable for 2 yrs. and renewable from year to year, with a maximum total tenure of 5 yrs. from the first award. Incumbents : (a) Prof. A. V. Hill ; (b) Miss H. B. Fell.

(ii) *Yarrow Research Professorships* for research (whole-time) in Math., Physical, Chemical or Engineering Sciences. Value, £1000-£1600 p.a., tenable at a Univ. or other place to be approved by the President and Council of the Royal Society for a period of 5 yrs., the appointments being renewable for further successive periods of 5 yrs. Incumbent : Sir Geoffrey Taylor.

* † ‡ (iii) *Mackinnon Research Studentship* for "furthering Natural and Physical Science, including Geology and Astronomy, and . . . original research and investigation in Pathology," £500 p.a., tenable at any place approved by the Council of the R.S., in the first instance for 2 yrs., but renewable in exceptional cases from year to year. Open to graduates of any Univ. Incumbent : Mr. A. Yoffe.

* † (iv) *Smithson Research Fellowship* in Natural Science. The Royal Society hold the capital of the Fund in trust. The income is administered by a Joint Committee of the Society and the Univ. of Cambridge. The Fellowship, £900 p.a. with superannuation provision, is open normally to British subjects of either sex, including subjects of the Dominions and Colonies ; but the Committee may, in special circumstances, invite a foreigner of scientific distinction to apply. Preference to candidates not over 35 yrs. of age. The holder will work in the Univ.

of Camb. if appropriate laboratory accommodation is available. Appointment for 4 yrs. in first instance, may be renewed annually up to maximum period of 8 yrs. Incumbent: Mr. H. N. V. Temperley.

* † ‡ (v) *Sorby Research Fellowship* for original scientific research, £800 p.a., tenable ordinarily in the Univ. of Sheffield for 5 yrs., renewable for further periods. No permanent duties outside the research work may be undertaken. Appointments are made by a Committee composed of 4 persons appointed by the Council of the R.S. and 3 appointed by the authorities of the Univ. of Sheffield. Incumbent: Dr. W. S. Bullough.

For all the above appointments applications are invited by public advertisement.

* † ‡ (vi) *E. Alan Johnston, Lawrence, and Mosely Research Fellowship* (income not less than £500 p.a.) for increasing the knowledge of the causes of disease and conditions of healthy life, tenable in the first instance for 2 yrs., renewable, at any place approved by the Council of the R.S. Open to graduates of any Univ. Incumbent: Dr. K. Bailey.

(vii) *Warren Fellowships* in Metallurgy, Engineering, Chemistry and Physics, value not less than £500 p.a., tenable at any place approved by the Council of the R.S. Open to British subjects. Incumbents: Mr. A. G. Gaydon, Dr. W. Hume Rothery and Mr. F. R. Nabarro.

The foregoing awards, unless otherwise stated, are open to qualified persons, irrespective of nationality, but in practice are generally awarded to British nationals.

(viii) *Scientific Relief Fund* (income about £1600 p.a.) to aid scientific men or their families requiring assistance.

(ix) *Other Funds*: Browne, for assisting marine expeditions and marine biological research; Forsyth and Head, both for medical research; Medical Research, with particular reference to tropical diseases in British possessions; Messel, for scientific research; Dewrance, for experimental research; General Research and Gunning, both for research in physical science and biology; Pedler, chemistry; Tyn-dall Mining Research, mining, ventilation, temperature and disease incidental to miners.

(x) *Government Grant for Scientific Investigations*, advertised thrice annually in time for applications to be received by March 31, July 31 and Nov. 30. Only British subjects are eligible.

(xi) *Medals*. Copley, for philosophical research (with money grant); Rumford (with money grant, biennial), for useful discovery in light or heat, in any part of Europe; Royal (2), for advancement of natural knowledge; Davy (with money grant) for discovery in chemistry in Europe or Anglo-America; Darwin (with grant of £100, biennial), for work in Darwinian field; Buchanan (with money grant, quinquennial), for service to hygienic science or practice; Sylvester (with money grant, triennial), for mathematical research; Hughes (with money grant), for discovery in physical sciences, particularly electricity and magnetism. With the exception of the Royal Medals all are open to foreigners as well as to British subjects.

* † ‡ SHEFFIELD UNIV. (i) *Sorby Research Fellowship*, £800 p.a., tenable at the Univ. of Sheffield for 5 yrs., renewable. Open to graduates

of any recognized Univ. Appointment is made by a Committee consisting of representatives of the Royal Society and of the Univ., with the object of obtaining advances in natural knowledge by enabling men of proved ability to devote themselves to research. Last award 1946.

* † (ii) *Ellison Fellowships* (4), £200 upwards, p a., with remission of fees, to provide training in research methods for promising students in Chemistry and Physics with a view to stimulating fundamental research in these subjects, tenable at the Univ. for 3 yrs. Open to graduates of Univs in Gt Britain and Ireland and of British Univs. overseas. In default of suitable candidates in Chemistry and Physics awards may also be made in Engineering.

Further particulars in each case from the Registrar.

* † † SOCIETY OF CHEMICAL INDUSTRY, 56 Victoria Street, London, S.W. 1. *John Gray Jubilee Scholarship*, £150 for 1 yr., tenable at an approved Univ. or Technical Coll. Open to graduates in Science of any Univ. who intend to enter industry. Those awaiting the result of final examinations may also apply. Preference will be given, other qualifications being equal, to the son of a member of the Society.

Further particulars from the General Secretary.

15. SCIENCE (Special Subjects)

Astronomy

* † OXFORD UNIV. : BALLIOL COLL. *Skykker Senior Studentship* for the study of Astronomy, and branches of Mathematics and Natural Science connected therewith, £200 p.a. for 1 yr., renewable. Open to graduates of Univs. within the British Commonwealth.

Further particulars from the Senior Tutor.

Biochemistry

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship*, see under Medicine and Surgery (Special Subjects—Cancer).

* † † IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General).

† LIVERPOOL UNIV. *Johnston Colonial Fellowship* in Biochemistry, about £400 for 1 yr. but may be renewed for a 2nd yr. Failing a candidate in Biochem., the Profs. of Pathol. and Physiol. shall be invited to nominate a candidate. Open in the first place to members of Colonial Univs. and Med. Schools (without, however, excluding Colonials who may possess British qualifications). Except with the permission of the Senate research must be carried out in the Univ. or in hospitals or other institutions approved by the Faculty of Med. Applications to be sent to the Dean of the Fac. of Med. not later than June 30.

* † LONDON UNIV. : LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Road, London, S.W. 1. *The Grocers' Company Research Studentship*, in Biochemistry, £250 p.a., tenable at the above Institute for 1 yr., with possible extension for 2nd yr. Open to British subjects. Vacancies advertised in appropriate journals.

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LONDON UNIV.: UNIVERSITY COLL. *Bayliss-Starling Memorial Scholarship*. See under *Physiol.* below.

Biology

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship*, see under *Medicine and Surgery* (Special Subjects—Cancer).

BELFAST, QUEEN'S UNIV. *Musgrave Research Studentships*. See *Science* (General).

* † † CAMBRIDGE UNIV. (i) *Balfour Studentship* in Biological research, especially in Animal Morphology, at least £300 p.a. for 3 yrs.; tenable normally at Cambridge. Open to graduates of any Univ. Offered triennially or as casual vacancies occur.

(ii) *Balfour Memorial Fund*. Grants may be made from this fund for original research in Biology, especially Animal Morphology, to the Balfour Student or to any other person engaged in such research.

* † † CAMBRIDGE UNIV.: NEWNHAM COLL. *Wheldale-Onslow Memorial Fellowship*, £300 p.a. for 3 yrs., tenable at Newnham Coll. Open to women of any nationality for research work in biological science, preference being given to work in plant biochemistry. Applications to the Principal before May 1.

DEVELOPMENT COMMISSIONERS. *Postgraduate Training Grants in Fishery Research*, see under *Fisheries*.

* EMPIRE COTTON GROWING CORPORATION. *Postgraduate Scholarships*, see under *Agriculture, Veterinary Science, etc.*

* † NOTTINGHAM UNIV. COLL. *Carr Scholarship*, see under *Science* (General).

Botany

* † † CAMBRIDGE UNIV.: GIRTON COLL. *Ethel Sargant Studentship* for research in Natural Sciences, preferably in Botany, value £100, tenable for 1 yr. at Girton. Offered annually. Usually open to women graduates of any Univ.

DEVELOPMENT COMMISSIONERS. *Postgraduate Training Grants in Fishery Research*, see under *Fisheries*.

* † † MANCHESTER UNIV. *Grisedale Scholarship for Biological Research*, £200 annually in either Botany or Zoology, for 1 yr., renewable for a 2nd yr., normally tenable at the above. Open to persons who have studied Bot. or Zool. in Manchester Univ. or in some other approved instn. Next offer 1949. (Pref. to Botany.) Last date for applns. June 1.

Further particulars from the Registrar.

* † NOTTINGHAM UNIV. COLL. *Carr Scholarship*, see under *Science* (General).

Chemical Engineering

* † † BIRMINGHAM UNIV. (i) *Research Scholarships* in Chemical Engineering and Petroleum Production, 2 or more each yr., commencing

value £220 p.a., with remission of tuition fees; may be renewed for 2 further yrs. in which case will be increased in value by £20 each yr. Candidates must possess a Univ. degree or equivalent in Science; preference to those with industrial experience.

* † ‡ (ii) *Anglo-American Studentship*, £350 p.a., normally for 1 yr., renewable for a further yr. at £400, tenable at the Univ. of Birmingham. Candidates must have a Univ. degree with Chemistry or Engineering as principal subject together with industrial experience in the Chemical Engineering field.

Further particulars from the Registrar.

* † ‡ LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY, London, S.W.7. *Leverhulme Studentship* in Chemical Engineering, £250 p.a., tenable at Imperial College for 1 yr., renewable for 2nd yr. Open to candidates possessing a degree or diploma in Chemistry, Engineering, Chemical Engineering, or other cognate subject.

Further particulars from the Registrar.

* † ‡ LONDON UNIV. : KING'S COLL., Strand, London, W.C.2. *Leverhulme Studentship* in Chemical Engineering, value £250 for 1 yr., renewable for a 2nd yr. Candidates must be graduates of any Univ. with (a) a Science degree with Chemistry as principal subject, or (b) an Engineering degree or diploma and with Chemistry to London Intermediate standard or (c) equivalent qualifications, and must have already received a general training in the principles of Chemical Engineering. The holder will be required to pursue a prescribed course of study or research, or to conduct original research in Chemical Engineering.

* LONDON UNIV. . UNIV. COLL., Gower St., London, W.C.1. *Leverhulme Studentships* in Chemical Engineering (2), value £350 each for 1 yr., renewable for 2nd yr. Candidates must be holders of a good Univ. degree with Chem or Engin. as principal subject and must either be engaged in or be definitely preparing to enter the chem. industry, and have adequate knowledge, practical or otherwise, of factory or business conditions. The holders may take the ordinary course of study for the Coll. Dipl. in Chem. Eng. or a special course in the subject, or carry out orig. research at Univ. Coll. Applications not later than May 15 to the Registrar.

Chemistry

* † ABERDEEN UNIV. *Robbie Scholarships* in Chemistry, see under Science (General).

BELFAST, QUEEN'S UNIV. *Musgrave Research Studentships*, see Science (General).

* † ‡ BIRMINGHAM UNIV. *Priestly Scholarships* in Chemistry (2), £180-£220 p.a., with remission of tuition and examination fees, tenable for 1 yr., at the Univ. of Birmingham, renewable in special circumstances. Open to graduates of any Univ. but preference is given to present or past students of Birmingham Univ. Normally only candi-

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dates who have completed an approved 3-yr. course of study in Chemistry and allied Sciences are accepted.

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries, see under Applied Science and Technology*

* † CHEMICAL SOCIETY, Burlington House, London, W.1. The Research Fund of the Chemical Society was establd in 1876 to assist investigators by defraying the cost of expensive materials. The income from the Fund, incl. that from the donation of the Goldsmiths' Company and from the Perkin Memorial Fund, amounts to about £700 a yr. The Committee meets in June and November to consider applications for grants. The income from the Goldsmiths' donation is mainly devoted to the encouragement of research in Inorg. and Metallurgical Chemistry, and that from the Perkin Memorial Fund for investigations connected with the Coal Tar and allied industries.

* DURHAM UNIV. : KING'S COLL, Newcastle upon Tyne. (i) *Johnston Chemical Studentship*, £95, and *Prize*, £10, for 1 yr., tenable at the Coll., involving at least 24 hrs. per week throughout the session. Open to Bachelors of Science of any British Univ. of not more than 3 yrs.' standing from graduation. Applications to Registrar not later than May 15 in each yr.

* † ‡ (ii) *College Postgraduate Studentship in Chemistry*, see General.

* † ‡ DURHAM UNIV. : THE DURHAM COLLEGES. *Research Fellowship in Pure Science*, see under Science (General).

* † ‡ EDINBURGH UNIV. *Dewar Research Fellowship*, see under Science (General).

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General).

* † ‡ INSTITUTE OF CHILD HEALTH, Hospital for Sick Children, Great Ormond St., London, W.C.1. *Imperial Chemical Industries Research Fellowship* in Organic Chemistry, £800 p.a., with £200 p.a. for research expenses, tenable for 3 yrs. at the Institute. Date of next award uncertain.

Further particulars from the Secretary.

* † ‡ LEEDS UNIV. *Henry Ellison Senior Fellowships*, see under Science (General).

* † ‡ MANCHESTER UNIVERSITY. *Sir Clement Royds Memorial Scholarship* in Chemistry, £200 for 1 yr., offered annually, normally tenable at the above. Open to British subjects of Brit. descent born in, or inhabitants of, Lancashire, with preference to candidates born in, or inhabitants of Rochdale. Next award 1949. Last date of appln. June 1.

Further particulars from the Registrar.

* † RAMSAY MEMORIAL FELLOWSHIPS. The Trustees (Chairman, Sir Robert Waley Cohen, K.B.E.; Joint Hon. Secs., E. L. Turner and

Prof. F. G. Young, University College, London, Gower St., W.C. 1) award from time to time 2 Fellowships, value £400 a yr. with an additional sum not exceeding £100 for expenses of research, for 2 yrs., for Chemical research. They can be held in any Univ. or other place in the U.K. possessed of the requisite facilities for research; also in exceptional circumstances in other parts of the British Empire, and, by special permission of the Trustees, elsewhere. One is limited to candidates nominated by the Univ. and the Royal Technical College, Glasgow

* † ‡ THE ROYAL INSTITUTION (i) *Dewar Research Fellowship* and (ii) *Science Research Scholarship*, see under Science (General).

* † ‡ TURNER AND NEWALL FELLOWSHIPS in Inorganic Chemistry, see under Science (General).

Colloid Science

* † ‡ CAMBRIDGE UNIV. *Oliver Gatty Studentship* in Colloid Science, especially physical methods applied to biological problems, about £400 p.a., for 1 yr. with possible re-election for a 2nd and 3rd yr., tenable at Cambridge. Open to graduates of any Univ.

Further particulars from the Registry.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General).

Dental Science

* THE NUFFIELD FOUNDATION, 12-13 Mecklenburg Square, London, W.C. 1. *Dental Fellowships* for training selected men and women with dental qualifications in pure and applied science, and to enable selected graduates in medicine and science to qualify for teaching and research on dental health and disease, £400-£800 p.a. plus cost of travelling abroad, tenable within the U.K. for 1-3 yrs. Open to graduates of U.K. Univs. who hold dental qualifications or Univ. degrees in Medicine or Science.

Further particulars from the Secretary.

Geology

* † ‡ BIRMINGHAM UNIV. *Lapworth Scholarship Fund*. Grants from the Fund, of such value and at such times as may appear desirable, may be awarded to graduates of Birmingham or any other Univ., for encouragement of geological research, which must be of an original character and carried out under the supervision of the Professor of Geology.

Further particulars from the Registrar.

* † NOTTINGHAM UNIV. COLL. *Carr Scholarship*, see under Science (General).

Mathematics

See Arts (Special Subjects)

Metallurgy

* † BIRMINGHAM UNIV. (i) *William Gibbins Research Fellowship* in Metallurgy, £450 p.a., plus tuition and membership fees, usually for 2 yrs.

but renewable; tenable in the Dept. of Metallurgy. Candidates should be graduates of the Univ. of Birmingham or any other British Univ. who have had at least 1 yr.'s experience of post-grad. research. Established to encourage research into copper, brass, and non-ferrous alloys.

* † (ii) *William Gibbins Research Scholarship*, tenable in the Metallurgy Department of the Univ.; value to be determined in each individual case by the Faculty. Open to graduates of any British Univ.

* † † (iii) *Bowen Scholarship*, £180-£220 p.a., with remission of tuition and examination fees, tenable for 1 yr., the work engaged on by the scholar to have a direct or theoretical bearing on some department of Metallurgy. Open to graduates of any Univ.

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries*, see under Applied Science and Technology.

* † † IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General).

* † † LEEDS UNIV. (i) *Yorkshire Copper Works Research Scholarship*, see under Applied Science and Technology. (ii) *Henry Ellison Senior Fellowships*, see under Science (General).

* † THE NUFFIELD FOUNDATION, 12-13 Mecklenburg Square, London, W.C.1. (i) *Travelling Fellowships* in Extraction Metallurgy, 5 annually, to enable members of teaching staff of Univs. or approved schools of mining and metallurgy to visit mines, research stations and plants in mining and metallurgical centres anywhere, value up to £500, tenable for 3 mths. Open to persons normally resident within the British Commonwealth.

* † (ii) *Postgraduate Travelling Scholarships* in Extraction Metallurgy, value up to £500, tenable for 6 mths. at any approved mining or metallurgical centre. Open to graduates of Univs. or approved schools of mining and metallurgy who are normally resident within the British Commonwealth.

Further particulars from the Secretary.

THE ROYAL SOCIETY. *Warren Fellowships* See Science (General).

Nutrition

* † † MANCHESTER UNIV. *Cow and Gate Fellowship* for research in problems associated with nutrition in infants and children. Normally £900 p.a. for 3 yrs., renewable in special cases for 4th or 5th year. Usually tenable at the above. Open to graduates of approved Univs. Date for next offer not fixed.

Further particulars from the Registrar.

Pharmacy

* † † IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General).

* † † MANCHESTER UNIV. *Woolley, Kerfoot, and Allen and Hanbury Scholarships* in Pharmacy. Each of £60 for 1 yr., renewable for 2nd yr.,

normally tenable at the above. Offered annually and open to persons who have studied Pharmacy in the Univ. of Manchester or in some other approved institution. Last date for applications Sept. 30.

Further particulars from the Registrar

* THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1. (i) *The Allen and Hansbury's Research Fellowship* for the encouragement of pharmacological research, £250 for 1 yr., plus apparatus and facilities for research, tenable in the Department of Pharmacology of the Coll. of the Society, renewable annually for a maximum period of 3 yrs. Open to pharmaceutical chemists and graduates in pharmacy, science or medicine of an approved Univ., preference being given to applicants with pharmaceutical training. The award will be made in August and the tenure will commence in the following Oct.

Applications should be submitted to the Secretary of the Society on or before July 1, giving particulars of age, education, qualification, together with any other relevant information and the names of three referees, one of whom must be the principal of the institution in which the applicant received his training

(ii) *Redwood Research Scholarship*. Next award 1955.

(iii) *Burroughs Research Scholarship*. Next award 1957.

(iv) *Ransom Research Fellowship*. Next award 1949.

(v) *Rammell Research Studentship*. Next award 1951.

(vi) Two Pharmaceutical Society Research Scholarships. Awarded annually

Each scholarship is tenable for 2 yrs. in the research laboratories of the Coll. of the Society, commencing in Oct., with the exception of the Rammell Studentship which must be held in the Department of Pharmacology of the Coll. Holders of scholarships will be provided with apparatus and facilities for research, together with £250 p.a. Open to pharmaceutical chemists or to graduates in pharmacy of a University approved by the Society. Applications as for (i) above.

Physics

* † ABERDEEN UNIV. (i) *Georgina McRobert Research Fellowship*, see under Medicine and Surgery (Special Subjects—Cancer).

* † (ii) *Robbie Scholarship in Natural Philosophy*, see under Science (General).

* † BELFAST, QUEEN'S UNIV. *Musgrave Research Studentships*, see Science (General).

* † ‡ BIRMINGHAM UNIV. *Nuffield Research Fellowships*. Value £450 p.a. plus free tuition, but in special cases may be higher, determined in each case by the Faculty of Science, tenable in the first instance for 2 yrs. but renewable. Fellows are required to devote their whole time to research in the Dept. of Physics, but may be required to take such part in the work of the Dept. as will not interfere with their research.

Further particulars from the Registrar.

* † ‡ BRISTOL UNIV. (i) *George Wills Research Associateships* (3),

RES. SCHOLARSHIPS, ETC., SCIENCE (Special) 1057

minimum value, £300 p.a., tenable at the Univ. Open. Vacancy unlikely for several years.

Further particulars from the Secretary and Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries*, see under Applied Science and Technology.

* † † CAMBRIDGE UNIV.: PEMBROKE COLL. *Gabriel Stokes Studentship* for research in Physics or cognate subjects, tenable at Pembroke Coll., about £425 p.a. for 3 yrs., renewable for a term not exceeding 5 yrs. Open to graduates (preferably of Cambridge) of from 23 to 30 yrs. of age. Last award 1947

* † † DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, see under Science (General).

* † † EDINBURGH UNIV. *Dewar Research Fellowship*, see under Science (General).

* † † MANCHESTER UNIV. *John Harling Fellowship* for research in Physical Science. £200 and occasionally more; renewable for 2nd and possibly 3rd yr., normally tenable at the above. Open to all persons who can furnish satisfactory evidence of ability to pursue research. Next award not fixed.

Further particulars from the Registrar

* † † THE ROYAL INSTITUTION. (i) *Dewar Research Fellowship* and (ii) *Science Research Scholarships*, see under Science (General).

* † † TURNER AND NEWALL FELLOWSHIPS in Physics, see under Science (General).

Physiology

* † BELFAST, QUEEN'S UNIV. *Musgrave Research Studentships*, see Science (General).

† LIVERPOOL UNIV. *Garrett International Fellowship*, see Bacteriology.

* LONDON UNIV.: UNIV. COLL., GOWER ST., London, W.C.1. * (i) *The Bayliss-Starling Memorial Scholarship* in Physiol. and/or Biochemistry (founded 1929), value £200 p.a. with remission of tuition fees, tenable for 1 to 3 yrs. at Univ. Coll. Candidates must be graduates of the Univ. of London or any other Univ. approved by the Coll. Committee for the purpose, or undergrad. of the Univ. of London or any other approved Univ. as aforesaid of suitable standing in Sci. or Med. Applns. to the Registrar of the Coll. not later than May 15.

* † (ii) *Sharpey Physiological Scholarship*, value £135 for 1 yr., renewable from yr. to yr. For the encouragement of research in Physiol. The Scholar assists in the teaching of Physiol. and/or Biochem.

Further particulars from the Registrar

* † † MANCHESTER UNIV. *Robert Platt Scholarship* for research in Physiology, £90 for 1 yr., renewable for 2nd and possibly 3rd yr., normally tenable at the above. Open to candidates between 18 and 25 on Jan. 1 in year of award, without further restrictions. Applns. by June 20 in the year of award.

Further particulars from the Registrar.

Zoology

* † LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plummer Fellowship*, see under Medicine and Surgery (General).

* † ‡ MANCHESTER UNIV. *Grisedale Scholarship for Biological Research*, see under Botany above.

16. THEOLOGY

CAMBRIDGE UNIV. *Hort Memorial Fund*, £95 p.a., for grants to persons engaged in Biblical, Hellenistic, or Patristic research, or undertaking connected therewith. Further information from the Managers of the Fund.

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship*, see under General.

* † ‡ HARVARD UNIV. *Frank Knox Memorial Foundation*, see under General.

* † LONDON UNIV. : KING'S COLL., Strand, London, W.C.2. *Theological Exhibitions* : Six of £50 p.a. open to grads. of any Empire Univ. or members of the Faculty who have passed the Intermed. B.D. Examn. Candidates must send in their names to the Dean on or before June 20 in each year. Various other Bursaries.

17. AWARDS TENABLE OUTSIDE THE UNITED KINGDOM

Scholarships and Fellowships which are tenable *either* within the U.K. or abroad appear above in the Appendix under subject headings.

ALBERT KAHN TRAVELLING FELLOWSHIPS No award has been made since 1931, and the fellowship must be regarded as in temporary abeyance. Address of the Secy. to the Foundation, Univ. of London, W.C.1.

* BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. (1) *Rose Sidgwick Memorial Fellowship*, \$2000 for 1 yr. for postgraduate study in the U.S.A. Offered biennially to a woman graduate, normally resident in Great Britain and not over 35 yrs.

* (ii) *Johnstone and Florence Stoney Studentship*, about £300, for scientific research in Australia, New Zealand or South Africa. Open to a woman graduate normally resident in Great Britain and not over 26 yrs

Further particulars in each case from the Secretary.

* GOLDSMITHS' COMPANY. *Postgraduate Dominions Travelling Scholarships* (5), to enable selected scholars to visit one of the Dominions or Colonies for 2 yrs., value adjusted to candidate's needs, but it is intended that each successful candidate should receive not less than £400 p.a. plus travelling allowance. Open to men and women of British parentage who are graduates of U.K. Univs. and under 24 yrs. of age (though allowance may be made for yrs. of war service).

Applications should be made to the Clerk of the Goldsmiths' Company, Goldsmiths' Hall, Foster Lane, E.C.2, *through the Registrar or other authority of the candidate's own Univ.* and not direct.

* † † HARVARD UNIV. *Frank Knox Memorial Foundation*, see under General.

* † † THE INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN. *Travelling Fellowships*, see under General.

* † † LONDON UNIV. : LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Travelling Studentship* in Social and Economic History, see under Economics and Sociology.

* † MOND NICKEL FELLOWSHIPS COMMITTEE, 4 Grosvenor Gardens, London, S.W.1. A number of *Travelling Fellowships* are awarded annually in July to allow selected persons to undertake such training as will make them better capable of applying the results of research to the problems and processes of the British metallurgical and metal-using industries. Fellows are usually required to undergo a programme of training in industrial establishments, but in exceptional cases the Committee may grant awards for training at a Univ. or Coll. Open to graduates, who should be under 35 yrs., of British nationality who are normally resident in the United Kingdom; the Committee has discretion to make awards to persons resident in other parts of the British Commonwealth. Average value £750, tenable for 1 yr., renewable in exceptional cases.

Further particulars from the Secretary.

* THE NUFFIELD FOUNDATION, 12-13 Mecklenburg Square, London, W.C.1. (i) *Travelling Scholarships for Farmers* (England and Wales), 4 annually, to enable persons aged between 25-35 yrs. normally resident in England or Wales who are managing or are about to manage farms to have experience in practical farming elsewhere, value up to £400 plus cost of travelling abroad, tenable for 6 mths.

* (ii) *Travelling Scholarships for Farmers* (Scotland), 2 annually, other conditions as for (i) above.

† (iii) *Travelling Scholarships for Rhodesian Farmers* to enable holders to spend 6 mths. in practical farming in the U.K., value variable.

† (iv) *Dominion Travelling Fellowships*, see under General

* † (v) *Travelling Fellowships and Scholarships* for Metallurgists, see under Science (Special Subjects—Metallurgy).

Further particulars from the Secretary.

† † RHODES TRUSTEES. *Scholarships* tenable at Oxford by students from the British Dominions and the U.S.A., see under General.

* † ROYAL COLL. OF SURGEONS *Arthur Sims Commonwealth Travelling Professorship*, see under Medicine and Surgery (General).

* ROYAL INSTITUTE OF BRITISH ARCHITECTS. (i) *The Athens Bursary*, £125, tenable at the British School at Athens. Open only to members of teaching staff of a School of Architecture recognized by the R.I.B.A. Offered annually.

* (ii) *The Henry L. Florence Bursary*, £350, for study overseas of the Greek, Hellenistic and Byzantine Architecture of the Mediterranean basin. Open to members of the R.I.B.A. Offered biennially. Next award 1949-50.

* † (iii) *The Godwin and Wimperis Bursary*, £250, for the study of modern architecture abroad. Open under certain conditions to Members and Students of the R.I.B.A. and allied Societies overseas. Offered biennially. Next award 1949-50.

* (iv) *The Andrew N. Prentice Bequest*, £150, for the study of Spanish Architecture. Part of the tenure to be spent in Spain. Open to members of the R.I.B.A. not more than 35 yrs. of age. Offered biennially. Next award 1949-50

Further particulars from the Secretary, Board of Architectural Education, R.I.B.A., 66 Portland Place, London, W 1

† THE ROYAL INSTITUTION. *Science Research Scholarships* for students from British Dominions overseas, *see under Science (General)*.

* SCOTTISH UNIVS. *Sir James Caird Travelling Scholarships* in Engineering, Electricity, Aeronautics and Music. Open to natives of Scotland of either sex. Value: Junior £50-£300, Senior £300-£700. p.a., according to circumstances, including place of study and nature of work contemplated. Normally tenable in Great Britain, Europe or U.S.A. for 1 yr., but may be continued up to a maximum of 3 yrs. Applications to John Pearson, Solicitor, 7 Ward Road, Dundee, not later than Mar. 31 (Music, Feb. 28), from whom further information and application forms can be obtained.

* UNITED DAIRIES *Travelling or Research Scholarship*, *see under Agriculture, Veterinary Science, etc.*

18. PRIZES

Biometrics

OXFORD UNIV. *Weldon Memorial Prize* (endowment £1000) awarded once in 3 yrs. for the most noteworthy contribution to Biometric Science in the preceding 6 yrs. Last award 1947.

Classics

* † † LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize*, *see under Arts (Special Subjects—Classics)*.

Dental Surgery

* † ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. *Cartwright Prize (of £105) and Medal*, founded in 1884 by the "Association of Surgeons practising Dental Surgery" with the object of commemorating the service of Samuel Cartwright, F.R.C.S., awarded quinquennially to the author of the best essay upon a subject relating to Dental Surgery to be selected by the Council. The next award will be made for the five years ending Dec. 31, 1950, when the subject will be "The Healing of Injuries and Post-operative Lesions of the Jaws."

Candidates must be persons engaged in the study or practice of Dental Surgery and possessing qualifications capable of registration under the Medical Acts of the United Kingdom.

Every essay must have a motto or device and must be accompanied by a sealed paper containing the name and address of the author, and having on the outside a motto or device corresponding with the motto or device on the essay. Essays, which must be addressed to the Secretary, must be delivered at the Royal Coll. of Surgeons not later than 1 p.m. on Dec 30, 1950.

Economics

THE NATIONAL INSTITUTE OF ECONOMIC AND SOCIAL RESEARCH, 2 Dean Trench Street, Smith Square, Westminster, London, S.W.1. The *Sir Richard Garton Memorial Prize* of the value of 100 guineas for an essay in Applied Economics is open for competition for the first time and will in future be awarded annually. The Prize has been founded in commemoration of the late Sir Richard Garton, K.B.E., who in 1928 left funds for the establishment of the Garton Foundation for the purpose of the encouragement of the social sciences. In 1941, the Trustees of the Foundation transferred its assets to the National Institute of Economic and Social Research, leaving the application of these funds to the discretion of the Institute.

The Prize is open to all persons resident or normally resident in the United Kingdom and is offered for competition in 1948 for the best original investigation into one of the following topics: (a) the factors determining productivity in a particular industry; (b) a statistical study of incentives in relation to their economic effects in a particular industry or group of industries; (c) a contribution to the study of the incomes or expenditure of the middle income groups; (d) a contribution to the study of mobility in relation to location of industry. Essays submitted should not exceed 30,000 words in length. Published papers are not admissible except in so far as they form a minor part of an entry. Essays, which must be either printed or typed, and accompanied by copies of any original statistical tabulations, must be accompanied by a completed entry form, copies of which may be obtained from the National Institute of Economic and Social Research, and must be sent to the Secretary of the Institute not later than Dec. 31, 1948.

English Literature

* † † BRITISH ACADEMY. *Rose Mary Crawshay Prize* for English Literature, £100. Open to women of all nationalities for historical or critical work, preference being given to work regarding Byron, Shelley, or Keats. Suggestion of works (written or published within the 3 preceding yrs.) to be considered may be sent in at any time, and will be considered in April of each year. Address—The Secretary, The British Academy, Burlington Gardens, London, W.1.

Greek

* † BRITISH ACADEMY. *Cromer Greek Prize*, £40. Open to British subjects under 26 yrs. of age. Essays on subjects previously submitted for approval, to be sent in before Dec. 31. Address—The Secretary, The British Academy, Burlington Gardens, London, W.1.

History

LONDON UNIV. : INSTITUTE OF HISTORICAL RESEARCH. *Julian Corbett Prize*, value £50, open to any investigator admitted to the Institute of Historical Research who has been working either there or, if a naval officer, under the advice of the Committee of the Institute for not less than 1 yr. prior to date of sending in work for competition. The work shall be either a dissertation or an edition of an original document or documents, or a report on material at home or abroad illustrating modern naval history. Intending candidates must, on or before Oct 1 in year preceding entry for the Prize, submit for the approval of the Inst. of Hist. Research Committee the subject of proposed work, and without such approval no work will be eligible. The prize is awarded annually, and applications should reach the Sec., Institute of Historical Research, University of London, The Senate House, London, W.C.1, before Oct. 1.

* † THE ROYAL EMPIRE SOCIETY. (i) *Walter Frewen Lord Prize* in Imperial History, annually, value 40 gns., for a monograph or essay (10,000-20,000 words) on a subject of Imperial History, embodying either the results of original work or an ordered and critical exposition of existing data. Open to undergraduates or graduates of any Univ. or Univ. Coll. in the Empire, of not more than 4 yrs.' standing from their first degree. Next award 1949. Applns. to be received before Dec. 31, 1948.

* † (ii) *Darling Essay Competition in Economic Development*. Triennially, value £50, for an essay (10,000-20,000 words) concerning Imperial econ. development, especially in its monetary and financial aspects. Open to (a) students, including postgraduate students, of any Univ. or Univ. Coll. in the Empire and (b) other persons engaged in the study or practice of economics. Candidates should be under 30 yrs. of age on Nov. 30, 1948.

Further particulars in each case from the Secretary, Imperial Studies Committee, Royal Empire Society, Northumberland Avenue, London, W.C.2.

* † ‡ ROYAL HISTORICAL SOCIETY. *David Berry Prize*, founded under the will of the late David Anderson-Berry in memory of his father, the Reverend David Berry, consisting of a gold medal and a money prize of £50, to be awarded to the writer of the best essay on a subject, to be selected by the candidate and approved by the Council of the Society, dealing with Scottish History within the reigns of James I to James VI inclusive. Each essay submitted must be a genuine work of research based on original materials and must not previously have been published or awarded any other prize.

Competitors should submit their essays to the Secretary at 96 Cheyne Walk, Chelsea, London, S.W.10, not later than Oct. 31, 1949.

International Peace

* **CECIL PEACE PRIZE.** A prize of £100 is offered yearly for an essay on some subject connected with the maintenance of International Peace, and having some bearing on the principles or work of the League of Nations. Open to all graduates, undergraduates, and students of either sex and of any nationality, of any Univ. or Univ. Coll. in Gt. Britain or N. Ireland, under 25 on the last day for submitting essays. A prize-winner is not eligible to compete a second time. Essays must be typed in double spacing and must bear a motto reproduced on a sealed envelope attached containing the name of author, address, and statement of date and place of birth. Length of essay not prescribed but 10,000-12,000 words suggested. Subject for 1948: "The work and constitutional development of the first two Assemblies of the United Nations." Essays must reach the Secretary, The Association of Universities of the Commonwealth, 5 Gordon Square, London, W.C.1, on or before Nov. 1, 1948.

Further particulars on application.

MEDICINE (General)

* *Rogers Prize*, value £100, for an essay or dissertation on some medical or surgical subject named and appointed by the Univ. and made public in such manner and at such time as the Univ. may determine. Open to all persons on the Medical Register of the U.K. The essay or dissertation to be addressed under a motto or device to the Vice-Chancellor, and delivered at the Univ. on or before 4 P.M. on the last day, other than Sunday, of April in the yr. of award. Next award, 1949.

Cancer

* † † **ROYAL COLL. OF SURGEONS**, Lincoln's Inn Fields, London, W.C.2. *Walker Prize*, £100, established under a Deed of Trust by the late Mr. Clement Walker of Lilleshall Old Hall, near Newport, Salop, to encourage the investigation of cancer. The Prize is awarded quinquennially, upon the recommendation of a Committee, to the person, if any, who shall be deemed to have done the best work during the preceding five years in advancing the knowledge of the pathology and therapeutics of cancer. The award is open to foreign graduates as well as to British subjects.

Epidemic Diseases

* † † **ROYAL COLL. OF PHYSICIANS**, Edinburgh. *Parkin Prize*, value £100, offered triennially for an Essay in the English language. Open to competitors of all nations. Essays, which must bear a motto and be accompanied by a sealed envelope bearing the same motto outside and the author's name inside, must reach the Secretary not later than Dec. 31, 1948. Subject: "On the Effects of Volcanic Action in the Production of Epidemic Diseases in the Animal and in the Vegetable Creation, and in the Production of Hurricanes and Abnormal Atmospheric Vicissitudes."

Hygiene and Tropical Medicine

* † ‡ LONDON UNIV. : LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W C.1. (1) *Langley Memorial Prize*, founded by the friends of the late Dr. W H. Langley, C M.G., to commemorate his work as Principal Medical Officer of Southern Nigeria. Open to competition among Officers, past and present, of the West African Medical Departments. The award is made triennially for the best paper on (a) Tropical Medicine and Surgery, (b) Tropical Hygiene and Sanitation, or (c) Tropical Entomology and Parasitology.

* † ‡ (ii) *Hecht Prize*, of not less than £5 in value, established under bequest by Mr. C. E. Hecht, to be awarded annually at the discretion of the Board of Management to students or graduates for an essay on (a) dietetics or oral hygiene, (b) natural methods of the prevention or cure of disease—such as are associated with water, air, light, sun and spinal manipulation—or (c) for distinction in classwork or examinations.

Further particulars from the Assistant Dean of the School.

Ophthalmology

* † MOORFIELDS, WESTMINSTER AND CENTRAL EYE HOSPITAL, City Road, London, E.C.1. *Gifford Edmonds Prize* in Ophthalmology, of £100, is awarded biennially for the best essay on a subject dealing with Ophthalmology and involving original work, the subject for 1948 being "The Pathology, Aetiology and Clinical Course of Obstruction occurring within the Retinal Venous System." Open to British subjects who hold a medical qualification. Latest date for receipt of essays is Dec. 31.

Full particulars are set out in a leaflet which may be obtained from the House Governor of the Hospital.

Pathology

* † ‡ CAMBRIDGE UNIVERSITY. *John Lucas Walker Exhibitions and Prizes* in Pathology, not exceeding £50, awarded from time to time to any person in respect of any essay, discovery, or meritorious service connected with or conducing to the Science of Pathology.

APPENDIX IV

INTER-UNIVERSITY COUNCIL FOR HIGHER EDUCATION IN THE COLONIES

8 Park Street, London, W 1

Telephone: MAYfair 8166.

Telegrams: Interuniv London.

The Inter-University Council was created in March 1946 by the universities in Great Britain and Northern Ireland and the existing universities in Colonial territories, at the invitation of the Secretary of State for the Colonies, for the purposes of—

- “ strengthening co-operation between the Universities of Great Britain and Northern Ireland and the Universities in territories in respect of which the Secretary of State for the Colonies has responsibility ;
- fostering the development of higher colleges in the British Colonies and their advance to university status ;
- giving effect to the principles recommended by the Asquith Commission on Higher Education in the Colonies for the promotion of higher education, learning and research in the British Colonies ;
- discharging the tasks which the Secretary of State for the Colonies has invited them to undertake ;
- taking other appropriate action for the development of higher and particularly university education for the peoples of the British Colonies, Protectorates, Mandated Territories, and the High Commission Territories in South Africa ;
- and, at the invitation of the Governor-General of the Sudan, performing, in relation to the development of higher education in the Sudan, functions analogous to those which they undertake in relation to the Colonial territories.”

Among the duties of the Council is the organization of periodical visits by its members or other academic specialists to the Colonial institutions of higher education. The Council has undertaken recruitment of staff for the universities and colleges in the Colonies ; advised the colleges on such questions as constitutions, conditions of service for staff, building programmes, academic development, recognition of diplomas, scholarship policy and library services. The Council reviews the academic aspects of applications submitted to the Colonial University Grants Advisory Committee, which has been established to advise on the distribution of £6½ million which is available for higher education under the Colonial Development and Welfare Act.

The Council's composition is :

CHAIRMAN—Sir James Irvine, K.B.E., Sc.D., LL.D., D.C.L., F.R.S.

VICE-CHAIRMAN—Sir Alexander M. Carr-Saunders, M.A., LL D., F.B.A.

REPRESENTATIVE MEMBERS—*Aberdeen* Sir William Hamilton Fyfe, M.A., LL.D., F.R.S.C.; *Belfast*: Prof. R. G. Baskett, O.B.E., M.Sc.; *Birmingham*: R. E. Priestley, M.C., M.A., D.Sc.; *Bristol*: Sir Philip Morris, C.B.E., M.A., *Cambridge*: J. A. Venn, M.A., Litt.D.; *Durham*: J. F. Duff, M.A., M.Ed., LL.D.; *Edinburgh*: Prof. John Macmurray, M.C., M.A.; *Glasgow*: Prof. L. J. Davis, M.D., F.R.C.P.; *Leeds*: B. Mouat Jones, D.S.O., M.A.; *Liverpool*: Prof. J. G. Wright, M.V.Sc., F.R.C.V.S.; *London*: Sir Alexander M. Carr-Saunders, M.A., LL.D., F.B.A., *Manchester*: Prof. W. J. Pugh, O.B.E., B.A., D.Sc., F.G.S., *Oxford*: W. T. S. Stallybrass, O.B.E., D.C.L.; *Reading*: Prof. R. H. Stoughton, D.Sc., *St. Andrews*: Sir James Irvine, K.B.E., Sc.D., LL.D., D.C.L., F.R.S.; *Sheffield*: Prof. L. E. S. Eastham, M.A., M.Sc.; *Wales*: Ifor L. Evans, M.A.; *Hong Kong*: D. J. Sloss, C.B.E.; *Malta*: The Hon. R. V. Galea, O.B.E., A. and C.E.

CO-OPTED MEMBERS—Prof. T. H. Davey, O.B.E., M.D., D.T.M.; Prof. William Penson, Ph.D., Miss Margery Perham, M.A.; A. E. Trueman, D.Sc., F.R.S.

EX-OFFICIO MEMBER—C. W. M. Cox, C.M.G., Educational Adviser to the Secretary of State for the Colonies.

SECRETARY—Walter Adams, O.B.E., B.A.

In addition to co-operation with the two existing universities of Malta and Hong Kong, the Council is concerned primarily with assisting the development to university or university college status of the King Edward VII College of Medicine, Singapore, and Raffles College, Singapore (see pp 959-965), and the following institutions. [*Note*—Only senior members of the academic staff are included in the lists.]

EAST AFRICA

MAKERERE COLLEGE, Box 262, Kampala, Uganda. *Cables*: Makcol, Kampala

Chairman of College Council—Sir Geoffrey Northcote, K.C.M.G., M.A. *Principal*—W. D. Lamont, M.A., D.Phil. *Vice-Principal*—T. R. Batten, M.A. *Registrar*—Colonel A. Scragg, M.C. *Librarian*—Miss J. E. I. Larter, B.A., F.L.A.

Session 1947 Full-time academic staff: 25; Students: 198 (including 11 women). The College awards *certificates* in Arts or Sciences, *diplomas* in Medicine, Veterinary Science, Agriculture and Education. The College serves the territories of Uganda, Kenya, Tanganyika and Zanzibar, and is destined to be the university college of East Africa.

Agric.—Stuckey, R. W., M.A., B.S.A., Lectr. *Anat.*—Galloway, A., M.B.E., M.A., M.B., Ch.B., D.Sc., F.R.S., Reader. *Chem.*—Tenniswood, C. R. S., M.Sc., Lectr. *Educn.*—Elliot, A. V. P., M.A., M.Ed., Lectr. *Geog.*—Baker, S. J. K., M.A., Lectr. *Maths.*—Crabbe, J. R., M.A., Lectr. *Physics*—Gee, F. L., M.A., Lectr. *Physiol.*—Holmes, E. G., M.A., M.D., Reader. *Social Studies*—Batten, T. R., M.A., Lectr.

HIGHER EDUCATION IN THE COLONIES 1067

WEST AFRICA

Two university colleges are being developed, one in Nigeria and one in the Gold Coast, to serve the four British territories in West Africa.

UNIVERSITY COLLEGE, IBADAN, NIGERIA

Principal—Kenneth Mellanby, O.B.E., Ph.D., Sc.D. *Registrar*—F. P. G. Hunter, LL.B.

The College will have faculties of Arts, Science, Medicine, Veterinary Science, Agriculture and Forestry.

GOLD COAST

Principal-designate—D. M. Balme, D.S.O., D.F.C., M.A.

WEST INDIES

UNIVERSITY COLLEGE OF THE WEST INDIES, 62 Lady Musgrave Road, Halfway Tree, Jamaica

Principal—T. W. J. Taylor, C.B.E., M.A., D.Sc. *Registrar*—H. W. Springer, B.A. *Librarian*—Harold Holdsworth, M.A., F.L.A.

The faculty of Medicine will open in October 1948, faculties of Arts and Science later.

Bot—Asprey, G. F., B.Sc., Ph.D., Prof. *Chem.*—Hassall, C. H., M.Sc., Prof. *Physics*—Bowen, F. H., M.A., D.I.C., Lectr. *Zool.*—Millott, Norman, M.Sc., Ph.D., Prof.

ANGLO-EGYPTIAN SUDAN

GORDON MEMORIAL COLLEGE, KHARTOUM

Chairman of College Council—G. R. F. Bredin, C.B.E. *Principal*—L. C. Wilcher, M.A., B.Litt. *Vice-Principal*—A. B. Theobald, B.A., Dip.Ed. *Librarian*—Michael Jolliffe, B.A.

Session 1947: Full-time academic staff 38; Students: 225.

The College is in special relationship with the Univ. of London and provides courses leading to London degrees in Arts and Science, in addition to local diplomas and certificates.

Administration—Mynors, T. H. B., B.A. *Agric.*—Milne, A. P., M.A., B.Sc. (Agric.); Boyns, B. M., B.Sc., Ph.D. (Chem.); Cobley, L. S., B.Sc. (Biol.). *Arabic*—El Banna, Abdullahi. *Biol.*—Sandon, H., M.A., Ph.D. *Chem.*—Pyle, J. H., B.Sc., Dip.Ed. *Design*—Greenlaw, J. P. *Engineering*—Doughty, Thomas, B.Sc. (Eng.) *English*—Hart, E. F., B.A., Dip.Ed. *Geog.*—Howell, E. J., M.Sc., Ph.D. *Hist.*—Hill, R. L., B.Litt., M.A.; Oldham, C. R., M.A. *Law*—Khalifa, Mahmoud. *Maths.*—Fallows, T. H., M.A. *Physics*—Wood, G. C., M.A. *Veterinary*—Chalmers, A. W.

APPENDIX V

UNIVERSITIES OF THE UNITED STATES OF AMERICA

Students in this country intending to study in the United States are advised to apply to the American Library, United States Information Service, 33 Davies Street, London W.1. The Institute of International Education, 2 West 45th Street, New York City, has published a handbook for foreign students, entitled *Meet the U.S.A.* This booklet, which was written by a foreign student, contains a great deal of general information about the history and customs of this country as well as specific information about higher educn. in the United States. The book includes a list of all the accredited colls. and univs in the United States with indication of the fields of study in which they specialize. Copies of the handbook are available for consultation at American Consulates and Embassies throughout the world. Cost 60 cents. A useful publication is *A Guide to Colleges, Universities, and Professional Schools in the United States*, edited by Carter V. Good, published by the American Council on Education, 1945, \$5.00. This volume was prepared especially for returned service men and women. Another useful publication is *American Universities and Colleges*, published by the American Council on Education, 744 Jackson Place, Washington 6, D.C. The fifth edition of this book, revised, will be brought out in 1948. Cost \$4.00. Pt. I. is devoted to a general explanation of the organization and operation of higher education, and includes a special chapter on the foreign student in the United States; Pt. II. gives separate statements of the individual colleges and universities, arranged alphabetically.

EXPENSES. Annual tuition fees range from a maximum of about \$600 in the large Eastern universities to a minimum of about \$75 in the State universities and small colleges of the Middle West. Living costs vary according to the size of the college or university, and the size of the town in which it is located. In general, living expenses in the South are a little less than in the Middle West, and in the Middle West a little less than in the West and East. The cost of an academic year of nine months may be reckoned at about \$2000 in the most expensive places, and \$1000 in the least expensive. Transportation costs about 2.5 cents a mile plus 15 per cent tax, at night, 3.5 cents plus 15 per cent tax and Pullman accommodation.

INTERNATIONAL HOUSE, Riverside Drive, New York City, opened Sept. 1924, is a residential club for over 500 foreign and American students. Similar houses have been opened at the Univ. of California and at the Univ. of Chicago. The requisite funds for building these three International Houses were provided by John D. Rockefeller, Jr. The following three International Houses have been more recently founded and receive financial aid either from civic or private sources: **INTERNATIONAL HOUSE OF PHILADELPHIA**, Pennsylvania; **INTER-**

NATIONAL STUDENT HOUSE, 1708 New Hampshire Ave., N.W. Washington, D.C.; INTERNATIONAL CENTER, University of Michigan, Ann Arbor; INTERNATIONAL STUDENT ASSOCIATION, Cambridge, Mass. (Mr. and Mrs. Lawrence Mead).

SCHOLARSHIPS. Information as to American University and College Scholarships for British students may be obtained from the Institute of International Education, 2 West 45th Street, New York City.

AMERICAN DEGREES (non-professional). The following notes are based on a Report presented by a Committee of the American Council on Education to the French Ministry of Public Instruction. The American Colleges, both those which are independent institutions and the colleges of liberal arts within Universities, award the A.B. or B.S. degree to students who complete a 4 years' course. Ordinarily the student at the time of admission to the college is about 18 years of age and has completed a 4 years' course in a secondary school. A considerable portion of his work at college belongs, however, to what in European countries is called secondary education. A peculiarity of the American system of grading, both in secondary and in higher institutions, is the weight attached to the length of time spent under instruction, a degree being attainable by gradual accumulation of a specified number of "credits" (certificates of definite periods of time spent successfully under instruction), which thus largely replace the examinations used in other countries for testing the student's capacity at various intervals. The college graduate who aspires to the degree of A.M. or M.S. proceeds to the Graduate School of a University (the professional schools of first grade prefer and in some cases require graduate standing for admission), and there pursues his studies, either general or, if aiming at a subsequent doctorate, specialized, for one year. The Ph.D. requirements are ordinarily "3 years of resident study, beyond the baccalaureate, the presentation of a thesis embodying the results of original research, and the passing of a comprehensive examination testing the candidate's knowledge of his chosen field of learning."

The Report points out that higher education in the U.S.A. is largely autonomous, there being no control by the Federal Government and little control by the political authorities of any State. Such standardization as has been effected has come through the voluntary efforts of groups of institutions having similar ideals and purposes. Conspicuous among these is the Association of American Universities.

The following 32 American Univs. of complex organization, usually with graduate schools and certain professional and technological schools, are members with voting privileges of the Association:

Brown, California Institute of Technology, California, Catholic Univ. of America, Chicago, Clark, Columbia (including Teachers' Coll.), Cornell, Duke, Harvard, Illinois, Indiana, State Univ. of Iowa, Johns Hopkins, Kansas, Massachusetts Institute of Technology, Michigan, Minnesota, Missouri, Nebraska, North Carolina, Northwestern, Ohio State Univ., Pennsylvania, Princeton, Rochester, Stanford, Texas, Univ. of Virginia, Washington (Missouri), Wisconsin, Yale. The Canadian Univs. McGill and Toronto are also included in its membership.

In addition there are many educnl. organizations of the first rank which are accredited by the Assn.

Of the 1650 Universities, Colleges, Junior Colleges and Professional Schools which made returns to the United States Office of Education for 1943-44, 589 were under public and 1061 under private control. There were enrolled in that year 877,517 civilian students, of whom 308,914 were men and 568,603 were women (military students numbering 270,034 men and 7721 women, or 277,755 in all, are not included in these figures). Of the total number of students in schools of arts and sciences 610,617 were listed as undergraduates and 28,117 as graduates. Professional Schools enrolled 489,243 undergraduates and 31,114 graduates. Of these, law students numbered 7345; medical 28,346; dental 10,270; theological 14,912; pharmacy 4384, engineering 112,749

BRITISH INFORMATION SERVICES (formerly the British Library of Information, founded in 1919), 30 Rockefeller Plaza, New York, 20, N.Y. (Reference Division, Press and Radio Division, Films Division, General Division). B.I.S. is a part of the Foreign Office foreign information services. It has a library of official documents, British newspapers and periodicals, and books dealing with every aspect of British life, policy, history, etc., and these are available for inter-library loan as well as for study in the B.I.S. reading room. It answers enquiries on British affairs, and publishes information papers, pamphlets, and periodicals. Special sections deal with information on Colonial (but not Dominions) affairs. The Films Division has a collection of British Government films for hire or sale. The Press and Radio Division does not compete with commercial news-agencies, but supplies background material not available elsewhere. Speakers and exhibitions are provided for clubs, schools, universities and other organizations. B.I.S. is the agency in the United States for His Majesty's Stationery Office. It has branch offices in Washington (907 15th Street, N.W.), Chicago (360 North Michigan Avenue), and San Francisco (391 Sutter Street). *Controller*—G. D'Arcy Edmondson, O.B.E.

A BRITISH-AMERICAN ASSOCIATION OF PHI BETA KAPPA (founded 1776—a society of American University scholars of distinction) was formed in England in 1924 under the presidency of Lord Balfour.

ADMISSION TO BRITISH UNIVERSITIES. Information as to the conditions of admission of American students to British Universities will be found in Appendix I.

APPENDIX VI

ANGLO-AMERICAN RELATIONS

PROFESSORSHIPS

GEORGE WATSON LECTURESHIP. Founded by Sir W. G. Watson, Bt., who presented £20,000 for the purpose on the occasion of the return of the Prince of Wales from his American tour. Each year's course usually comprises about 6 lectures by an eminent authority, American or British. The courses are given in the various British Univs. in rotation. A general Inaugural Lecture was given in London by the late Viscount Bryce, O.M., in July 1921. This and some subsequent lectures have been published in England by the Cambridge Univ. Press. Lecturer, 1940. Sir Frederick Whyte, K.C.S.I. *Subject*. "Foreign Relations of the United States". During the war years the late Sir Percy Alden gave lectures on American history in a number of schools throughout the country; it is hoped to resume the normal lectures in 1948. The Foundation is administered by the Sulgrave Manor Board. All communications should be addressed to the Secretary (H. Gough, B.Sc. Econ.) at 37 Charles St., Berkeley Sq., London, W.1. Tel. Mayfair 7400, ext. 20.

GEORGE EASTMAN VISITING PROFESSORSHIP, tenable at Oxford Univ. The holder shall be, at the time of his election, a citizen of the U.S.A., eminent in teaching or research, and he shall give instruction in the subject of study in respect of which he is appointed. Appointment—not less than 1 nor more than 5 yrs., but re-eligible. 1946–47—Vacant. 1948—Prof. L. Pauling, M.A. (Director of California Institute of Technology, Pasadena).

HAROLD VYVYAN HARMSWORTH PROFESSORSHIP OF AMERICAN HISTORY, tenable at Oxford Univ. The Prof. shall be, at the time of his election, a citizen of the U.S.A. Appointment—not less than 1 nor more than 5 yrs. from date of election, but re-eligible. Salary, £1450 p.a. Present appointment: D. M. Potter, M.A. (Yale Univ.).

COMMONWEALTH FUND PROFESSORSHIP OF AMERICAN HISTORY, tenable at the Univ. of London, University College. The Commonwealth Fund of New York appropriated a sum of \$214,500 in 1929 to endow a Department of American History at University College, London, including a professorship and assistants. Present holder: Prof. H. Hale Bellot, M.A. Ox. A sum of £4991 was raised in London and New York, the income of which is available for the library of American History at the College and the library on the same subject at the Institute of Historical Research, University of London, Senate House, London, W.C.1.

The American Universities are constantly inviting distinguished British scholars to lecture on British history and institutions, so that the need for the establishment of special foundations for the purpose has not been felt in the United States.

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